

HANDBOOK OF INFORMATION FOR THE SESSION 2019-20

- COURSES OFFERED
- RULES OF ADMISSION



**PANJAB UNIVERSITY
CHANDIGARH**

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Prof. Raj Kumar, Vice Chancellor, PU felicitating Hon'ble Mr. Justice A. B. Chaudhari, Judge Punjab & Haryana High Court and Executive Chairman, State Legal Services Authority, Chandigarh at a Seminar organized by Department of Community Education & Disability Studies, Panjab University in collaboration with State Legal Services Authority-SLSA, U.T., Chandigarh, ARUSHI-Bhopal, Chandigarh Commission for Protection of Child Rights-CCPCR & Yuvsatta (youth for peace)-an NGO.

Sh. M. Venkaiah Naidu, Hon'ble Chancellor of Panjab University and Vice President of India conferring Vigyan Rattan Award to Dr. K.Sivan, Chairman, ISRO and Secretary, Department of Space, Bangalore at 68th Annual Convocation of Panjab University, Chandigarh.



Sh. M. Venkaiah Naidu, Hon'ble Chancellor of Panjab University and Vice President of India present along with Sh. V.P. Singh Badnore, Governor of Punjab and Administrator, UT, Chandigarh, Prof. Raj Kumar, Vice Chancellor, PU, Prof. Shankarji Jha, Dean of University Instructions and Prof. Karamjeet Singh, Registrar during 68th Annual Convocation of Panjab University, Chandigarh.



*Hon'ble Shri M. Venkaiah Naidu, Vice President of India and
Chancellor, Panjab University, Chandigarh*

Vice Chancellor's Message

One of the premier universities of India, the Panjab University has achieved various milestones since its establishment in 1882 at Lahore and relocation to Chandigarh after the partition of the country. This University, with its Vedic motto 'tamso ma jyotirgamaya', has lead everyone who has been associated with it 'from darkness to light'; it has produced many great statesmen, leaders, industrialists, philosophers, writers, jurists and social workers in service of the nation and the world. Imparting education to the thousands of students every year, the Panjab University has been performing very significant role in fulfilling the dream of 'shikshit bharat, sashakt bharat' (Educated India is Empowered India). It has served the nation to achieve its rightful place in academic world. The Panjab University has been able to advance academic excellence and infuse humanistic and moral values in the lives of young students and researchers. Owing to its inclusive approach, with the fusion of traditional and core subjects and vocational and practical training in various faculties like sciences, arts, engineering, pharmacy, law, language, commerce etc., the Panjab University has achieved 9th rank in the Atal Ranking of Institutions on Innovation Achievements (ARIIA), 2019.



The world today is one large global village and Panjab University is setting new standards to impart leadership in coordinating the concerns of various stakeholders. The university has expanded its influence by signing and maintaining more than a hundred MoUs globally. The departments and the centers of the university are encouraged to aim at an interdisciplinary collaboration while evolving projects in order to enable better coordination and sharing of ideas working towards the betterment of the nation. The traditional gaps between pure sciences and social sciences are being filled to facilitate a dialogue among the various disciplines. During the period of last 8-10 months, the university has got sixty projects from various agencies such as Government of India, UGC, DST, MeitY, DBT, ICMR and many others which is an evidence of its commitment to improve academic and research standards. The NSS, Enactus and the Natural Biodiversity groups are regular participants in the inclusive development mission of the nation.

The university believes that it owes a responsibility towards the social good. In an effort to quantify its research capabilities, the university has been actively spearheading regional collaboration known as the Chandigarh Region Innovation and Knowledge Cluster (CRIKC). This cluster has 31 institutes sharing their research and other facilities. CRICK corridor has been appreciated by the office of PSA, GoI. In an endeavor to consolidate its contribution and bring out the display of its prototypes to all the interested stakeholders, the office of Vice Chancellor has proposed a Deliverable Gallery of over 50+ deliverables with the desire to bring all researches, products and patents on one common platform. This gallery will play an important role in showcasing the contribution of not only Panjab University but also of all research institutes of the region while providing impetus to entrepreneurship and innovation capabilities.

The Panjab University has remained aware of its responsibilities in the emerging world where academia and industry have to come together on one platform to materialize the concepts into real products. Keeping this mission in mind, the University has consolidated seven verticals: the Centre for Industry-Institute Partnership Programme (CIPP), Technology Enabling Centre (TEC), Centre for Skill Development and Entrepreneurship (CSDE), BioNest, Centre for Policy Research, University Centre for Sophisticated Analytical Instrumentation Facility (SAIF) and Design Innovation Centre and Institution's Innovation Council (ICC).

The Panjab University, having national and international reputation, is committed to advance academic horizon through its socially inclusive, research oriented and nation-building efforts. I hope that the Handbook of Information 2019 will act as a guide to the students aspiring to materialize their dreams by taking admission in the various departments and academic centers of the university and its regional campuses. I wish all the students success in their efforts.

Vice Chancellor

OFFICERS AND DEANS OF PANJAB UNIVERSITY

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Dean, Research	Professor Ravinder K. Singla	2540535
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Chief Vigilance Officer	Professor Rattan Singh	2534843
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Shaan-o-Shauqat PANJAB UNIVERSITY ANTHEM

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 और मोहब्बत सदा रहे
 पंजाब विश्वविद्यालय
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 तू है अपना भविष्य विधाता
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Tamso ma jyotirgamaya
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 Tamso ma jyotirgamaya
 Tamso ma jyotirgamaya
 Panjab vishaw vidyalaya
 Teri shaan-o-shauqat sada rahe
 Mann mein tera aadar maan
 Aur mohabbat sada rahe
 Panjab vishaw vidyalaya
 Teri shaan-o-shauqat sada rahe
 Tu hai apna bhavishya vidhata
 Pankh bina parwaaz sikhata
 Jeevan pustak roz padha kar
 Sahi galat ki samajh badhata
 Jeevan pustak roz padha kar
 Sahi galat ki samajh badhata
 Teri jai ka shankh bajayein
 Roshan tare ban jaayein
 Vakhari teri shohrat
 Teri shohrat sada sada rahe
 Panjab vishaw vidyalaya
 Teri shaan-o-shauqat sada rahe
 Panjab vishaw vidyalaya
 Teri shaan-o-shauqat sada rahe
 Tamso ma jyotirgamaya
 Tamso ma jyotirgamaya

PANJAB UNIVERSITY - A PROFILE

- Panjab University (PU) has been ranked number 2 in the US News Rankings 2018 among Indian Institutions. The global rank of PU is 513 among 1250 institutions.
- Ranked 7th in the country for 2017 Institutional Swachhata Ranking conducted by the MHRD.
- Ranked 601-800 in the Times Higher Education World Ranking (2019)
- PU has improved its rank from 135 to 130 (marginal improvement) in the Times Higher Education Emerging Economies Rankings 2018.
- Ranked 20 in the university category and 33 in the overall institutions of Higher Education in India Rankings by NIRF, MHRD, Government of India.
- NAAC accredited A Grade with score 3.34 out of 4 valid from 25/06/2015.

Brief History and Profile of PU

Panjab University (PU) is one of the oldest Universities in India, initiated at Lahore in 1882. PU has a long tradition of pursuing excellence in teaching and research in science & technology, humanities, social sciences, performing arts and sports. The University supports excellence and innovation in academic programmes, promotes excellence in research, scholarship and teaching. The University is committed to attract and support the best students and faculty, who excel at teaching and research. In independent India, Panjab University with its Campus at Chandigarh and nearly two hundred colleges in Punjab and Chandigarh, has served various societal needs with distinction. The glorious traditions of the University established during the period of more than 136 years of its long service to the nation since its inception are a source of inspiration for the present generation of faculty members and students. By virtue of its history, experience, achievements and philosophy, the Panjab University has a national character and it enjoys an international stature drawing both faculty and students from all over the country and different parts of the globe. Its faculty includes some of the most distinguished scientists and academicians. It continues to attract celebrated scholars at the campus. Over the years, the reputation of the Panjab University has grown to emerge as an institution at the pinnacle in innovative teaching, research and community outreach.

In Chandigarh, the newly built capital of Punjab, a beautiful red sandstone campus was designed for the Panjab University by Pierre Jeanneret under the general guidance of Le Corbusier. Panjab University moved here during 1958-1960. Till the re-organisation of Punjab in 1966, the University had its regional centres at Rohtak, Shimla and Jalandhar and its affiliated colleges were located in the States of Punjab, Haryana and Himachal Pradesh and the Union Territory of Chandigarh. With the re-organization of Punjab, the University became an Inter-State Body Corporate subsequent to the creation of a separate Punjab and Haryana. Currently the Panjab University has affiliated colleges in the Union Territory of Chandigarh and some parts of Punjab.

The Panjab University Campus at Chandigarh accommodates 78 teaching and research departments/institutes/centres besides four independent Chairs for research. The University School of Open Learning, a multi-disciplinary department, caters to about 20,000 distance learners and offers about two dozen traditional and job oriented courses. The university has 194 affiliated and 6 constituent colleges spread over Punjab and Chandigarh besides Regional Centres at Muktsar, Ludhiana, Hoshiarpur and Kauni. In addition, there is the Vishveshvaranand Vishwa Bandhu Institute of Sanskrit and Indological Studies at Hoshiarpur.

The Campus

Panjab University is located in Sector 14 and Sector 25 of Chandigarh, spread across an area of almost 550 acres.

The layout of two campuses of the University has been conceived to meet the academic, administrative, sports/recreational, residential and other requirements of a growing University. To make it self-contained, infrastructural facilities like its own Shopping Centre, Health Centre, Bank, Post office, Swimming Pool, Gymnasium, Sports Grounds, Botanical Gardens, well maintained parks, Open Air Theatre, Guest Houses, Faculty House, Seminar Complexes, Alumni House, Community Centre and a school, have been provided. Besides these facilities, the University Campus has 8 hostels for boys, 10 hostels for girls, a Working Womens' Hostel, one International Students Hostel and 2 Sports Hostels (one for boys and one for girls).

A cluster of prominent buildings like the Gandhi Bhawan, the Fine Arts Museum, the University Library and the Student Centre form the hub of social interaction. The Gandhi Bhawan, Student Centre, the University Library and the University Administrative Block are also considered part of the architectural heritage of Chandigarh, being examples of modernism in architecture as it was interpreted by Le Corbusier and those who worked with him.

The Fine Arts Museum, with its series of small galleries arranged around a courtyard, each gallery having a hyperbolic paraboloid roof (umbrella shaped), is not only an architectural but a structural marvel as well.

International Collaborations

Consolidating its wealth of International Collaborations, the University has, in the last year, signed several MoUs / Patent License Agreements / Technology Transfer Agreements, through its Research Promotion Cell (RPC). These include Sandia National Laboratories USA, IC-IMPACTS Centres of Excellence (A Network of Centres of Excellence hosted at the University of British Columbia), Hitech Formulations Pvt Ltd., Principal Offices at 213, Industrial Area, Phase I, Chandigarh and Unique Biotech Ltd (UBL), Plot No. 2, Phase-2, S.P Biotech Park, Shameerpet,, Hyderabad, Telangana.

National collaborations

The University has recently added a number of national institutes to its list of National collaborations with industry and academia. These include PHD Chamber of Commerce & Industry (PHDCCI), BioNEST, Panjab University, Chandigarh, Self Employed Women's Association (SEWA), Punjab Heritage and Tourism Promotion Board and Department of Science and Technology (DST), New Delhi.

Prominent Research Funding

The Department of Science and Technology, Government of India, selected the Panjab University as one among the top fourteen universities of India for further funding under the Promotion of University Research and Scientific Excellence (DST-PURSE) programme. Under this prestigious scheme, the university has received Rs. 34.8 crore for the development of research infrastructure, which had been utilized in the period from 2014 to 2018. Six months no cost extension of the project till March 2019 had been recommended by the PMB to utilize the fund available under PURSE with no further release of funds in this case. The Progress is rated as "Very Good".

The Panjab University got another glorious distinction 2009 when UGC selected University Institute of Pharmaceutical Sciences (UIPS) as the only Networking Resource Centre (NRC) in Pharmaceutical Sciences in the country and sanctioned a grant of Rs.2.50 crores. Since its inception as the UGC-NRC, it has been regularly organising various training programmes for the young faculty and researchers on the contemporary trends and paradigms in diverse streams of Pharmaceutical Sciences drawing experiential and experimental support from the renowned resource persons from all over the country as well as abroad. Besides, this Networking School has also been providing inimitable opportunity for the young researchers and faculty members hailing from wide-ranging geographical locations across the country to undertake research training under the tutelage of established faculty of the UIPS on the recent advances of Pharmaceutical Sciences as well as to avail of the facilities at the Institute. Satisfied with the progress of the Centre, the UGC has sanctioned a grant of Rs 5.00 crores for the Phase II of NRC for a period of five years from 2017 to 2022.

Internet and Communication Facilities

Dr. A.P.J. Abdul Kalam Computer Centre of the University provides Fibre Optic high speed network connectivity through Gigabit technology to all the Departments, Centres, Hostels and Administrative Block. The Computer Centre is connected through National Knowledge Network (NKN) and the National Mission of Education through Information and Communication Technology (NMEICT) networks. All the hostels and Academic areas of Sector 14 and Sector 25 are covered by Wi-Fi and students and staff can access it seamlessly. The Computer Centre is hosting all the servers (like DNS, Mail, Web Server) in its data centre and providing facilities like online admissions and entrance tests.

Other Facilitating Centres

Regional Sophisticated Instrumentation Centre, Energy Research Centre, Centre for the Study of Social Exclusion and Inclusive Policy, Centre for IAS & Other Competitive Examinations, Centre for Industry Institute Partnership Programme, Centre for Medical Physics, Centre for Study of Mid-West & Central Asia, Centre for the Study of Geopolitics, and Centre for Swami Vivekananda Studies are other facilitating centres providing services at the University.

The AC Joshi Library is housed in a centrally located 5 storeyed building with a seating capacity of 500 readers. It has over 7.72 lakh publications and a prized collection of 1490 manuscripts. It is fully computerized and provides access to 15000+ core and peer-reviewed e-journals, 31, 35,000+ e-books, 40 resources and 16 bibliographic databases from publishers and aggregators in different disciplines through MHRD/INFLIBNET e-Shodh Sindhu Consortium. The Library subscribes to approx. 12 databases of e-journals and e-books. It is one of the 6 National Document Delivery Centres of INFLIBNET for data information distribution. Radio Frequency Identification Technology in the Library benefits the readers by permitting self issue and return of books 24x7.

The A C Joshi Library has a special facility on the ground floor for the visually impaired students, which provides PCs with the JAWS and Zoom-Ex software. Also it is equipped with the latest Horizon A3 Scanner, Lex Software with English and Hindi Voice pack and Hindi OCR to assist them in their studies.

The University has its own Website to host date-sheets, results, examination forms and online entrance and admission forms for the convenience of students/public.

PU Radio

Panjab University Community Radio Station- Jyotirgamaya 91.2 Mhz.

The community radio station of Panjab University was inaugurated on 13th February, 2011 and is acting as a unifying agent amongst the university faculty, students and also the community. The station offers 4 sessions of broadcasts everyday for over 11 hours duration. The radio programmes can be heard over a range of 10 kms and the listenership base is on the rise.

The aim of setting up the CRS is to impart knowledge and information related to education, health and environment, social, cultural and local issues and to provide a platform for dialogue and discussion amongst the community members, students and faculty. Jyotirgamaya serves as a platform for awareness generation, education and experience sharing with the community in the vicinity of the CRS. The students of the school, volunteers from other departments, interns and community members with active help of the faculty and staff, generate the content. Community participation in the CRS is encouraged and the station takes measures such as providing internships to students and training to interested members of the public. The doors of the CRS are open for all residents of the tricity.

Jyotirgamaya is setting new benchmarks every day. " Hamari Beti' run by PU CRS was awarded by The Public Relations Council of India for its uniqueness. It has also been awarded a project from National Council for Science and Technology, GoI, New Delhi with Punjab State Council of Science and Technology for production of radio programmes on Women's Health and Nutrition. The programme called 'Sehat ka Vardaan, Naari ka Samaan' covered 365 topics of women's health. The station was able to connect the community with experts from the fields of Medicine, Social Welfare, Nutrition, and administration.

In collaboration with the Municipal Corporation of Chandigarh under the National Urban Livelihood Mission, GoI, the PU Radio runs a free of cost certificate course in Radio Programme Production for the Economically Weaker Section of the society. In its latest accomplishment, Radio Jyotirgamaya has collaborated with British Broadcasting Corporation (BBC) and UNICEF for the production and broadcast of a radio show based on adolescent issues called 'Full on Nikki'.

The seminars, conferences, workshops and other events held in Panjab University are broadcast on PU Radio for the benefit of the larger listenership base.

Hostels

There are 18 hostels (8 for boys and 10 for girls) to accommodate nearly 7000 students. There also exists one Working Women Hostel with a capacity to accommodate 70 residents. In addition to this, there is one International Hostel for foreign students and two Sports Hostels (one for boys and one for girls).

Health

Bhai Ghanaiya Ji Institute of Health caters to the medical needs of a population consisting of employees (both serving and retired), their dependent, children and parents, students, all inmates of hostels (both boys and girls), daily wagers, contractual employees, mess and canteen workers, University guests, delegates attending seminars, conferences and workshops etc. 24x7 emergency and ambulance services are available to all. Ambulance is provided free to students and Class 'C' employees. The Institute has a fully equipped modern clinical laboratory, latest computerized ECG machine, a fully-computerized 500mA X-Ray unit. All routine OPD and some specialists services are available to all bonafide patients. Free medical camps and patient health awareness campaigns are organized round the year.

Sports

The University has playgrounds for all major sports. There is an air conditioned gymnasium hall, an international level Swimming Pool, Diving Pool, All Weather Swimming Pool, 400 m grassy Athletic Track (8 lanes), two cemented Basketball courts with flood lights, four Volleyball courts, one Hockey ground, one Hockey Astroturf, two football grounds, two Kho-Kho courts, two Kabaddi courts, three Softball grounds, Cricket grounds and five pitches, one Netball ground, one korfbal ground, two synthetic lawn tennis courts, 6 grassy Lawn Tennis Courts, Outdoor Gymnastics Arena, Outdoor Boxing Arena, Two Multipurpose hall for indoor games, Gym for Boys, Gym for Girls, Weight lifting hall, highly equipped Physiotherapy Centre. An international standard 10 meter shooting range is also functional on PU Campus. The University has been awarded for Maulana Abul Kalam Azad (MAKA) Trophy thirteen times for excellence in games and sports at the All India Inter-University level.

Recent Achievements and happenings in 2018

- Apart from the various rankings, PU is one of the eleven Indian Research Collaborators along with a UK team of institutions, lead by the University of Cambridge, in a Global Challenges Research Fund (GCRF) grant from Research Councils UK-

India for the project titled "Transforming India's Green Revolution by Research and Empowerment for Sustainable Food Supplies (TIGR2ESS)".

- PU has been selected amongst the 11-Member Subject Expert Groups (SEGs) for pan India implementation of Unnat Bharat Abhiyan (UBA) scheme of Government of India, Ministry of Human Resource Development.
- The Bioincubators Nurturing Entrepreneurship for Scaling the Technologies (BioNEST), PU, has received a grant of Rs. 2.57 crore for Secondary Agriculture Entrepreneurial Network in Punjab under which projects in food and agriculture processing will be funded.
- Prof. Manmohan Singh, former Prime Minister of India and PU alumnus, visited PU in April, 2018 to deliver the First Dr. S.B. Rangnekar Memorial Oration, mooted by Department of Economics of PU.
- Prof. V.K. Rattan of PU joined as Vice Chancellor of GNA University, Phagwara (Punjab) on 19th January, 2018 for a term of three years.
- Prof. Nishtha Jaswal of PU appointed as first woman Vice Chancellor of Himachal Pradesh National Law University, Shimla, Himachal Pradesh for a period of five years.
- PU has been ranked as the best University of the country and 3th among best institutions of India, according to the US News and World Report Rankings, 2019. Apart from this Department of Physics has been ranked No.1 in India.
- Mr. Sunil Arora, IAS (Retd.), an alumnus of PU has been appointed as Chief Election Commissioner of India.
- Under the illustrious leadership of Prof. B.S. Bhoop, the team of Research Scholars of UIPS, have developed a cheaper tablet as a substitute for Chemotherapy for the persons suffering from cancer by using nano formula. The experiments conducted on animals have been quite successful.
- Dr. Subhash Sharma, Hon'ble member of Senate, has been nominated as the Member of the prestigious Railway Advisory Board.
- Dr. Renu Vig, UIET has been awarded Eminent Engineer Award instituted by the Electronics & Technical Education Division Board of Institute of Engineers.
- Prof. R.C. Sobti former Vice Chancellor of this University has been appointed as Consultant Higher Education, Governor Secretariat, Bihar, Patna.

COLLOQUIA SERIES

List of Colloquia Organized (January, 2018 to December, 2018)

S.No.	Dates	Speaker	Title of Talk
45th Colloquium	30th January, 2018	Prof. (Dr.) Robert Logie	The Ageing Mind
46th Colloquium	22nd February, 2018	Dr. Rajiv Kumar	New India@2022
47th Colloquium	16th April, 2018	Prof. Sujatha Ramdorai	Elliptic Curves and Number Theory
48th Colloquium	26th April, 2018	Prof.(Dr.) Bhagwan Josh	Nehru, Ashoka and the Making of Nation-State in Post-Colonial India
49th Colloquium	6th August, 2018	Dr.Alka Pande	Heritage and Heresy Art as Civic Duty
50th Colloquium	19th December, 2018	Prof. (Dr.) Vinod K. Paul	Healthy and Smart Youth for New India

CAMPUS OFFICES AND ACTIVITIES DEAN OF UNIVERSITY INSTRUCTION

Professor Shankarji Jha, Dean of University Instruction

The office of Dean of University Instruction (DUI) works as a nodal centre to scrutinize, supervise and synergize academic and administrative activities of teaching departments of Panjab University and its Regional Centres. The office co-ordinates and supervises various activities including admission of students to various University Departments, decides applications for exemption from payment of tuition fee, submits to the Academic Council Time-Tables of all University classes, arranges the accommodation of all University classes, oversees that discipline and routine of work in all University classes is maintained, calls for and examines proposals from affiliated colleges for permission to start Honours classes, co-ordinates wherever necessary, the work of the University teaching departments, sanctions casual leave to the members of the teaching staff,

operates the accounts of Amalgamated Fund allocated for academic activities of students, makes arrangements for extension lectures and recommends to the Vice Chancellor delegates to the various conferences.

DEAN RESEARCH

Professor Ravinder Kumar Singla, Dean Research

The Dean Research is an innovative initiative of the Panjab University. With its Directorate located in the Vice-Chancellor's Office, it owns the responsibility of facilitating and monitoring research proposals, projects, innovations and entrepreneurship programs, and coordinating and partnering with various National & International bodies including business and industry.

At Panjab University, it has oversight of research journals, information dissemination activities and promotion of quality academic research through facilitation of conferences, seminars, symposia, workshops and specific group meetings. It also drives new initiatives and engages closely in building relationships for collaborations and joint-ventures in its role as a clearing house of local, national and international agreements and MoUs. Overall, Dean Research serves as key contact and networking point for the University's research.

International Collaborations

Consolidating its wealth of International Collaborations, the University has, in the last year, signed MoU with National Technology & Engineering Solutions of Sandia, LLC through its Office of Dean Research.

National Collaborations

The University has added a number of national institutes to its list of National collaborations with industry and academia. These include VITTI Research Foundation (A non-profit Section-8 Company), Sabudh Foundation, Chandigarh (A non-profit Section-8 Company), PHD Chamber of Commerce & Industry (PHDCCI), Punjab Heritage and Tourism Promotion Board (PHTPB), Chandigarh and Panjab University, Chandigarh and The Institute of Vedic and Astrological Sciences, 1109, Sector 123, SAS Nagar, Mohali (Punjab).

Prominent Research Funding

HRD under RUSA Scheme has accorded approval for Rs.5 crore under equity initiatives (for constructing Girls Hostel) and Rs.7 crore for faculty improvements, which will be carried out by Human Resource Development Centre (HRDC), PU. Dr. Rohit Sharma of Department of Microbial Biotechnology, for having received a grant of Rs. 2.57 crore for the project The Bioincubators Nurturing Entrepreneurship for Scaling the Technologies (popularly known as BioNEST), Panjab University piloted by him. A project titled "Structure activity relationship studies of a novel two-component lantibiotic roseocin" of Dr. Dipti Sareen, Department of Biochemistry, has been approved for funding by DST-SERB, Government of India. The project carries a grant of Rs. 19.75 lacs for equipment and Rs. 12 lacs for manpower, travel, contingency, etc. Dr. Kashmir Singh, Department of Biotechnology, has been sanctioned a grant of Rs. 50 lacs by Science and Engineering Research Board (SERB), New Delhi, for the project "Genome-wide identification and functional analysis of long non-coding RNAs associated with biotic stress in vitis (grapevine)". M/s Mohan Fiber Private Limited has donated a sum of Rs. 14.5 lacs to the Dental Institute for upgradation of the radiographic facilities. Prof. Harsh Nayyar, Department of Botany, Panjab University has been sanctioned a grant of 30,000 US dollars by International Center for Agricultural Research in the Dry Areas (ICARDA), Morocco for a 2-year collaborative research project on "Screening Lentils for Heat Stress under Controlled Conditions".

INTERNAL QUALITY ASSURANCE CELL

Professor Ashish Jain, Director

Professor Anuradha Sharma, Associate Director

Mr Guldeep Singh, System Administrator

In the session 2015-16, MIS Cell and IQAC were clubbed together. Activities related to IQAC, NAAC, AISHE etc. as well as Campus Portal are handled by the IQAC. Campus Portal is one of the key activities of the MIS Cell. Campus Portal was envisaged as a complete solution for the complete internal computerization of the Administrative Block, Teaching and Non-teaching departments of the university. Hundreds of PU employees access the portal daily. The portal has a reach up to PU Regional Centres in Punjab through Virtual Private Network (VPN).

It also handles the work of various survey related activities of data collection, compilation, transmission to various agencies like UGC, MHRD, NAAC etc. The data are collected online from various departments with the help of an Intranet software (Information Resource Portal) and the compiled information is used for dissemination to various agencies.

The various rankings (National/International) of the university such as Times Higher Education ranking, QS Ranking, India Ranking (NIRF) etc are also being handled by this cell. All India Survey of Higher Education (AISHE) project of MHRD, through which the data of PU and its affiliated colleges is uploaded every year on the AISHE Portal is one of the key activity of this cell.

IQAC has its mandate as stipulated by NAAC and consists of:

1. To develop a quality system for conscious, consistent and catalytic programmed action to improve the academic and administrative performance of the University;
2. To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

VIGILANCE CELL

Professor Rattan Singh, Chief Vigilance Officer (Additional Charge)

The Chief Vigilance Officer is to advise the Vice-Chancellor on vigilance complaints concerning the University officers, staff and teachers as well as to ensure probity and integrity in public administration with the following objectives:

1. to activate the vigilance machinery in the University for investigating complaints,
2. to sensitize the University community against corruption and corrupt practices,
3. to strengthen preventive vigilance by streamlining procedures, and
4. to prevent the possibilities of corruption and encourage a culture of honesty and integrity.

In line with the nation-wide initiative of the Central Vigilance Commission, Vigilance Awareness Week is observed every year by teaching faculty, non-teaching staff and students of the Panjab University. The Vigilance Cell is located in the Administrative Block of the Panjab University.

DEAN OF STUDENT WELFARE

Professor Emanuel Nahar, Dean Student Welfare

Professor (Mrs.) Neena Capalash, Dean Student Welfare (Women)

Professor Ranjan Kumar, Associate Dean Student Welfare

The Dean Student Welfare (Men), Dean Student Welfare (Women) & Associate Dean Student Welfare look after the functioning of the University hostels, conduct of election to the student bodies, planning and organizing of cultural, extra-curricular activities, disburse cultural scholarships and financial assistance to campus students.

The Office of the DSW is located in the Student Centre. It has the following constituents to promote the general welfare of the Campus students.

Panjab University Campus Students' Council: Panjab University Campus Students' Council is elected to promote healthy corporate life, ensure maintenance of proper academic atmosphere and orderliness, help in allocation of Amalgamated Fund for different authorized purposes and activities connected with student welfare and to assist in organizing various cultural and sports functions on the Campus.

Campus Reporter: This is an annual multilingual publication for circulation amongst the students and the faculty on the Campus. It aims at providing a forum for expression to the students and is published with their active cooperation. The students are promoted to develop their literary skills.

Campus Representation in Cultural & Literary Competitions: The Campus teams are selected, trained to participate in inter-College and inter-University Cultural and Literary competitions. The performance of these teams has been outstanding and they have been annexing trophies and overall best awards for the last many years. Also organize Inter-college, Campus/zonal competitions, hiking and trekking expeditions, rock climbing, mountaineering and youth leadership training camps.

Educational Tours: Subsidized educational tours are undertaken by students under different educational programmes.

Students Scholarships: The Office of the DSW is providing the following subsidies/financial assistance/scholarships to the Campus students as per rules/terms & conditions laid-down by Panjab University:-

1. Need Based Assistance, Need-cum-Merit and Scholarships for Handicap Students: These scholarships are paid for nine months a year to the students recommended by the Chairpersons as per conditions laid-down for the award out of "Students Scholarship Fund".
2. Sports Scholarships: This scholarship is awarded on the basis of the grading done by the Sports Department based on the performance of the Campus students in various sports activities. This scholarship is paid for nine months a year out of "Students Scholarship Fund".
3. Extra-mural Activities Scholarship: This scholarship is paid out of the "Amalgamated Fund". The performance of the Campus students in various Extra-mural activities like debates, seminars, one-act play etc. is the deciding factor for award of the scholarship. This scholarship is a fixed amount to be decided by the Vice-Chancellor on the recommendations of the Committee.
4. Financial Assistance: Financial assistance is paid out of "Poor Students Welfare Fund" to the deserving P.U. Hostel residents.

5. **Food Subsidy:** Food subsidy is also paid to the needy hostel residents. The recipients of food subsidy will do some duty/work in the hostel as may be assigned by the Warden.

Student Centre: Student Centre is housed in an attractive cylindrical building almost at the Centre of the University Campus. It has an indoor games section on the first floor, Placement Cell for the benefit of the Campus Students on the 2nd floor and houses a modern South India Cafeteria. The shops adjoining Student Centre are mainly run for the convenience of Campus students. An ATM facility has also been provided at the Student Centre.

Hostels: There are eighteen multi-storey hostels on the Campus. Eight of these are for boys and ten for girls. There is one Working Women Hostel which is equipped with all modern facilities. There is also an International Hostel to accommodate international faculty/students. Hostel seats are limited and are provided purely on merit basis to the Campus students. Number of seats available is displayed on the University web site well before the start of admission. A Sports Hostel is also there for visiting sports teams. One more hostel for girls particularly Research Scholar is being constructed. Proposal for extension of one boys and one girls hostel is also forwarded to the Ministry of Social Justice & Empowerment.

The residents are required to observe the rules printed in the Handbook of Rules for Residents of the Panjab University Hostels.

DEAN INTERNATIONAL STUDENTS

Professor Nandita Singh

Dean International Students

The office of the Dean, International Students (DIS) looks after the welfare of the international students and maintains liaison with university authorities and outside agencies. It maintains close liaison with the Indian Council for Cultural Relations (ICCR) with regard to their Programmes for the International Students. We also maintain liaison with the Dean of University Instruction, Dean of Student Welfare, Dean of Alumni Relations, as well as Principals of Affiliated Colleges in Chandigarh with regard to the welfare of International students and maintain links with International Alumni.

The office of the Dean of International Students facilitates the international students body in organizing their cultural functions/sports etc. The office organises various activities such as orientation-cum-cultural exposure programme, English language and soft skills workshop, cultural and literary extra-curricular activities and the end of academic session annual-cum-farewell function.

The students wishing to join any of the University Teaching Departments/Colleges affiliated to the Panjab University, for the first time are required to obtain an eligibility/equivalence certificate. This certificate is issued by the Deputy Registrar (General) Panjab University, Chandigarh. The request form for issuance of eligibility certificate is available at <http://forms.puchd.ac.in>. For any enquiry, contact the office of the Deputy Registrar (General) at telephone nos. +91-172-2540385, +91-172-2534857, +91-172-2534862 and email : drngen@pu.ac.in

International students can approach this office for advice and assistance in finding a suitable hostel or residential accommodation in Chandigarh. The students requiring expenditure certificate or assistance with their remittances are advised to contact the office of DIS.

International students admitted to various Panjab University Teaching Departments/Local Affiliated Colleges are required to pay 'Foreign Students Welfare Fee' as prescribed by Panjab University.

About 387 international students have been pursuing undergraduate and postgraduate courses at Panjab University and its local affiliated colleges. Seats are available for Non-Resident Indian (NRI) candidates. Foreign Nationals sponsored by Government of India can seek admission if they are otherwise eligible.

Candidates provisionally selected for Post Graduate/Undergraduate admission shall be issued provisional admission letters to facilitate their students visa process. The final admission would be based only on production of passport and student Visa. All rules and regulations of Panjab University will apply to foreign students as well.

Note:

1. For further information, please visit the webpage <http://dis.puchd.ac.in/>. You may also email the office at dis@pu.ac.in
2. The office can also be contacted at the following telephone numbers : +91-172-2541873 & 2534574

DEPARTMENT OF YOUTH WELFARE

Dr. Nirmal Jaura, Director Youth Welfare

The Department of Youth Welfare, being an important part of the University, working for the overall development of the students, was set up in 1958 under the Directorship of Dr. K.C. Anand as Founder Director and at present Dr. Nirmal Jaura is

leading the department. With an objective of nurturing the young minds and for their balanced growth and development, the Department of Youth Welfare organizes a number of activities every year. As the department encourages the young students to come forward and prove themselves by participating in various creative activities in the same way the active participation of the students in these activities encourage the department to provide them more and more opportunities for their overall development. Keeping in view the above mentioned scenario the department organizes chain of activities during the period of report as Youth leadership training, Hiking Trekking and Rock climbing camp, Panjab University Zonal Youth and Heritage Festivals, Panjab University Inter-Zonal Youth and Heritage Festival, North Zone Inter University Youth Festival, All India Open National Youth Festival and All India Inter University National Youth Festival. Youth Welfare Department has recently started Students Holiday Home (Youth Hostel) Chandigarh to serve the students and teachers simultaneously Student Holiday Home at Dalhousie is also being managed by the Department.

A Literary/Cultural annual magazine "Jawan Tarang" has been launched since 2013 with focus on youth activities. First five editions of the magazine were appreciated at every platform. 6th edition of Jawan Tarang is under print. This magazine has been published to provide ample opportunity to young students to express their emotions, opinion, dreams and aspirations. It carries contributions in the form of creative writings, from the students of affiliated and constituent colleges of the Panjab University along with the record of the various youth activities of the department. A beautiful park with open air theatre in front of the Department is in process of development named as "Shaheed e Azam Bhagat Singh Youth Park."

Activities: Youth Festivals: Zonal, University, Inter-University, National/International Level

Heritage Festivals: Zonal, Inter-Zonal, Inter-University, Youth Leadership Training Camps, Hiking-Trekking, Cycle Tours, Mountaineering, Adventure Courses, Rock Climbing & Allied Sports.

Youth Service Clubs, Workshops/Seminars, Publications: Magazines, Brochures etc., Students Holiday Homes: Youth Hostels.

During the session 2018-19 more than twenty thousand students of the university have participated in Panjab University Zonal and Inter Zonal Youth and Heritage Festivals. Panjab University students brought the laurels during the All India National Youth Festival held at Shivaji University, Kolhapur (Maharashtra), North Zone Inter University Youth Festival at Chhatrapati Shahu Ji Maharaj University, Kanpur (U.P). Youth for Innovation, Entrepreneurship & National Development was the theme of the Panjab University Youth Festivals conducted by the department in this session.

DEPARTMENT OF NSS

Dr.(Mrs) Navdeep Sharma, Programme Coordinator

The Department of NSS was established in 1969. It is a nodal agency to supervise and regulate the regular activities in Panjab University campus and its affiliated colleges. Presently more than 130 colleges affiliated to Panjab University have regular NSS units. In Panjab University there are 15 NSS units (1500 volunteers). Panjab University is supervising more than 31000 volunteers in its affiliated colleges. The aim of Panjab University NSS department is to:-

1. Make education more relevant to the present situation to meet the felt needs of the community and supplement the education of the university/college students by bringing them face to face with the rural situation.
2. Provide opportunities to the students to play their role in planning and executing development projects which would not only help in creating durable community assets in rural areas and urban slums but also results in the improvement of quality of life of the economically and socially weaker sections of the community.
3. Encourage students and non-students to work together along with the adults in rural areas.
4. Emphasise dignity of Labour and self-help and the need for combining physical work with intellectual pursuits.
5. Encourage youth to participate enthusiastically in the process of national development and promote national integration, through corporate living and cooperative action.

Achievements

1. Panjab University NSS Department has started online admission at the Campus.
2. In Jan 2019 PU NSS Department got First position in State Level Parade.
3. Mr.Sandeep got selected for India-South Youth Exchange Programme in the year 2016.
4. Mr. Shyam, NSS Volunteer represented P.U in New Delhi on 26th January 2019 after a month long training
5. Under SBSI, 1600 students from Punjab and Chandigarh worked in five adopted villages of Punjab. Mr.Binesh and Mr.Ankit got second and third position at University Level & Mr.Binesh got third position at state level.
6. Month long Yoga Camp in collaboration with Deptt of Sports was held in June 2018.
7. 41,000 volunteers have been enrolled in affiliated colleges of P.U. Earlier there were 14,000 Volunteers two years ago.

8. 8 NSS volunteers of PU got the recognition position in NIC from Punjab & Chandigarh.
9. The Vice-Chancellor Panjab University Chandigarh honoured four Students of deptt for their extraordinary achievements.
10. All the NSS Programme Officers are now trained.
11. Ministry of Youth Affairs and Sports honoured Department for organising Digital India Workshop.
12. Awareness Drive for HIV infected from Punjab was organised.
13. Department of NSS has sent the proposal to SNO(Chd) for open NSS Unit where doctors, Engineers, Advocates and people from all walks of life will participate and funding will be done by Chandigarh Administration.
14. Meditation Programme in collaboration with Amrita University, Kerala was held and the Dr.Upneet, NSS, PO, attended the training in Kerala.
15. NSS Board of Studies was constituted.
16. NSS Advisory Board was constituted.
17. Around 300 Volunteers from PU and its affiliated colleges are assisting the patients at PGI under the Project "SAARTHI".
18. Orientation Programme for the Programme Officers of the colleges of Punjab and Chandigarh was organised as its annual function.
19. Pre-RDC camp was held at PU Chandigarh involving all the colleges of Chandigarh affiliated to University.
20. Animal Law workshop was held by Dr.Gaurav in Collaboration with NGO.
21. NSS Department hosted India Sri lanka delegation on 13th October, 2018 & Indian Ambassador in Sri Lanka appreciated efforts of department. Blood Donation camps, Traffic Management Workshop, Vigilance Awareness week MHM and incest abuse workshops were being organised in all colleges of Chandigarh.
22. Cleanliness drives in all Departments raids in university market for cleanliness and the all flagship programmes of government of India were being organised.
23. Raksha Bandan was celebrated with HIV Patients by NSS Volunteers.
24. Three rallies on swatch Bharat was being organised by department involving around 400 students being flagged by Mayor Sh. Maudgill ji, DUI, Sh.Shankar ji Jha and the Registrar Sh. Karanjeet Singh Ji.
25. All national and international days as prescribed by Government of India are being observed in all colleges of Chandigarh & Punjab.

Panjab University NSS Team

Programme Coordinator : Dr. (Mrs) Navdeep Sharma

Programme officers :

1.	Gaurav Gaur
2.	Jeesu Jaskanwar Singh
3.	Dr. Amrinder Singh
4.	Dr. Ikreet Singh Bal
5.	Dr. Nirmal Singh
6.	Dr. Parveen Kumar
7.	Dr. Vijayata Chaddha
8.	Dr. Anupreet Mavi
9.	Dr. Gurmeet Kaur
10.	Dr. Sucha Singh
11.	Dr. Anupam Bahri
12.	Ms. Upneet Kaur
13.	Dr. Purva Mishra
14.	Dr. Manju Shri Sharma
15.	Dr. Amrit Pal Kaur

DIRECTORATE OF SPORTS

Dr. Parminder Singh Ahluwalia, Director, Physical Education & Sports

Dr. Dolly, Deputy Director, Physical Education & Sports

Dr. Rakesh Malik, Deputy Director, Physical Education & Sports

The Director of Sports was set up in the year 1948 and is located in the Jawahar Lal Nehru Complex Building (Gymnasium Hall). It guides, frames policy and co-ordinates the sports activities. Directorate of Sports functions under the overall control and supervision of Director Physical Education & Sports.

The Gymnasium hall caters to in-door games with international standard facilities and equipment for Badminton, Table-Tennis, Kabaddi (NS), Weight Lifting, Gymnastics, Judo, Wushu, Kick Boxing, Wrestling and Taekwondo. A separate fitness centre for men and women and a well equipped physiotherapy laboratory has also been established in the gymnasium hall. A swimming pool of International dimension and all Weather Swimming Pool is available for the swimming competitions. It also has 10 meters Indoor Shooting Range of International standard for competition purposes.

Directorate of Sports has its own two sports hostels for Men & Women to accommodate the sports persons who come to participate in the Inter-college and Inter-University competitions. These hostels have a three-storey building to accommodate about 200 men and 300 women players with eight official rooms.

The Directorate of Sports organized about 140 Inter College and 15 Inter University competitions during 2018. The Directorate of sports fielded 77 teams in Inter University competitions and arranged coaching camps in these games under the supervision of expert coaches.

Outstanding sports persons are given financial concessions and free education (no fee is charged except examination fees). Free hostel accommodation shall be allotted and special seats are reserved in hostels for outstanding sportspersons (No hostel fee or any other charges and exemption of mess and canteen charges maximum upto Rs. 3500/- only) Free swimming Pool, Gym Facility, Tennis, Shooting and Physiotherapy. Merit scholarships are also awarded to such persons. Players of all the teams representing P.U. Campus in the inter-college competitions are given sports kit (free of cost) & refreshments during coaching camp to encourage more participation in the sports competitions.

5% seats are reserved for sportspersons for admission to the teaching departments. Students admitted under this category are required to attend the grounds regularly, failing which their admission is liable to be cancelled from the department. It has been done to encourage more participation among the campus students.

The outstanding sportspersons who bring honour to the University are given incentives and cash awards. Directorate of Sports always helps the Chandigarh Administration, U.T. Sports department and other sports agencies in the conduct of National and International level competitions in various games.

Special Incentives for the sports persons who are studying in P.U. Campus, Constituent Colleges and Regional Centres

Aim: To motivate the outstanding sports persons to seek admission and provide financial assistance to them.

Conditions:

- a) Special Incentive Scheme for the sports persons of P.U. Campus, Constituent Colleges of P. U. and Regional Centres of P.U., Chandigarh during their study in their respective institution who brought laurels to Panjab University by their outstanding sports performance in those games which are recognized by IOA (Indian Olympic Association) and that games are considered for the calculation of marks awarded to each University for the purpose of awarding MAKA Trophy.
- b) Special Incentive Scheme subject to the submission of the Undertaking by the sports persons that he/she will represent the Panjab University/State team in the Inter-University Competition/ National Championship/games for which special incentives is claimed.
- c) The Special Incentive Scheme will be applicable to sports persons of P.U. Campus, Constituent Colleges of P.U. and Regional Centres of P.U., Chandigarh whose performance falls under the current academic session subject to submission of affidavit that he/she will represent the Panjab University team, State team in the Inter-University Competition/National Championship/National games in the games for which special incentives scheme was claimed.

- d) The Special Incentives scheme will also be applicable to those sport persons who intend to take admission in P.U. Campus, Constituent Colleges of P.U. and Regional Centres of Panjab University, Chandigarh. In these cases, for special incentives scheme according their last session's performance will be considered to their eligibility in the criteria.
- e) The Special Incentives will be awarded only after the submission of concerned Certificate/s with undertaking of their performance and accreditation or the concerned certificate and issuing authority by Internal Olympic Committee/Indian Olympic Association.
- f) The period of achievements will be counted from 1st July to 30th June every year.
- g) The incentives will be given to only those applicants who will submit the attested copies of their achievement certificate/s in the office of the Campus Sports for P.U. Campus student and Directorate of Sports, Panjab University, Chandigarh for other students before 30th June every year.

The following points are applicable for the sports person of PU Campus, constituent Colleges of P.U., Regional Centres of P.U., Chandigarh and affiliated college.

- i) The sports person's leave for sports competition/coaching camps (including Journey days) recommended by the Dean of Student Welfare for P.U. Campus students and Directorate of Sports for other students in the games and tournaments which are recognized by Indian Olympic Association and are in the list of Association of Indian Universities for the calculation of marks for awarding MAKATROPHY to the University. During this leave period the concerned sports person shall be treated as present for the assessment and for all other academic purposes.
- ii) The Provision of special examination (sessional/internal/external including practical and theory examination) as recommended by the Director Phy.Edu. & Sports should be made for the sports persons who miss the exams while participating in the sports events.
- iii) Sports persons who represent India in Senior/Junior/Youth/Cadet Categories will be given incentives as per their category.

Scheme No.(1) International Level Achievement

A person getting any of the first three positions or represented India in the Olympic Games /Paralympics Games/ World Cups/Championships/Asian Games/Asian Cups/Asian Championships/ Commonwealth Games/Commonwealth Championships Cycle/World University Games/ World University Championship are eligible for the Incentives mentioned in incentive Scheme (I) given below: -

Incentive Scheme (I)

1. Free education (no fee will be charged except examination fees).
2. Free hostel accommodation shall be allotted and special seats will be reserved in hostels for above mentioned category of sportspersons (No hostel fee or any other charges and exemption of mess and canteen charges maximum up to Rs. 3500/-only).
3. Free Swimming Pool and Gym facility, Tennis, Shooting and Physiotherapy

Scheme No. (II) National Level Achievement & Inter-University Tournaments/National University Games.

A person getting any of the first three positions in the National University Games/Khelo India University Games/Inter-Zonal Championship/Inter-Zonal University Games/Championship are eligible for the incentives mentioned in the incentives scheme (II) given below:-

Incentives Schemes (II)

1. Free education (No fee will be charged except full examination fees)
2. Free hostel accommodation shall be allotted and special seats will be reserved in hostels for above mentioned category of sportspersons (No hostel fee or any other charges except mess and canteen charges).
3. Free Swimming Pool and Gym facility and Physiotherapy.

DR. A.P.J. ABDUL KALAM COMPUTER CENTRE

Professor Sukhwinder Singh, Director (Additional Charge)

Computer Centre (CC) was renamed in the memory of Bharat Ratna Dr. A.P.J Abdul Kalam as Dr. A.P.J Abdul Kalam Computer Centre on July 27, 2016. Computer Centre provides computing and network services to the whole campus community (Sector 14 and Sector 25) of Panjab University.

Computer Centre has modern facilities such as Wi-Fi Network, Storage Network, Web server, E-mail server etc. Ministry of Human Resource and Development, Government of India has selected the University as a part of National Knowledge Network (NKN) to be connected with other institutions in the project and other internet services through high speed network. CC has established campus wide network with 10G/1G connectivity through Optical Fibre Cable provided to almost all the departments, Hostels, Centres, and other locations in the Campus using two number of Core Chassis switches of 3.84 Tbps and 768 Gbps switching backbone. Wireless connectivity has been provided using more than 1000 Access Points in the departments, Hostels and other Academic Areas. Internet connectivity is supported by three WAN links of 1Gbps (NKN), 1 Gbps (BSNL under NMEICT Project) and 450 Mbps (Bharti Airtel). Access network and server network is secured using a UTM.

CC provides Web-based Email that enables all the users to access their mailbox anywhere via the Internet and provides network/web based facility for computing with software like SPSS, MATLAB, Mathematica, Anti-plagiarism and Antivirus software etc. for the campus users. CC also encourages use of free and open source software like GNU/Linux distributions.

The staff of Computer Centre is involved in software development, apart from being a support service for the University. Computer Centre maintains University Website along with web applications to host online admission and online forms for entrance tests etc. CC also provides training to the university staff on new services launched.

The Computer Centre is centrally air-conditioned having auxiliary power system to ensure un-interrupted operations. Moreover, the equipment at CC is upgraded from time to time to ensure that the facilities remain at par with the latest technologies.

A. C. JOSHI LIBRARY

Dr. Jivesh Bansal, Librarian

Panjab University Library is officially named as A.C. Joshi Library after an illustrious former Vice-Chancellor of Panjab University, Prof. A.C. Joshi. It is one of the largest university libraries of the country. Housed in a five storey centrally air-conditioned building in red stone, it has spacious reading halls and compact stack areas, with open access. With modular design, it is based on modern principles of architecture. The main reading halls of the Library, facing the Shivalik Hills, afford a panoramic view of the natural surroundings.

Endowed with manuscripts on the one hand and online databases on the other; periodical holdings going back to the 19th century on the one hand and reference material in multimedia on the other; textual and bibliographical material of the pre-Independence period on the one hand and the online sources on the other, Panjab University Library presents a blend of the old and the new under the same roof.

Facilities: The Library has a seating capacity for 650 readers. It is a fully computerized library with an integrated system connected to the Campus network and possesses facilities like Wi-Fi, digital signage, photocopying, fax, e-mail, Internet, Online Public Access Catalogue (OPAC), CD-ROM databases and on-line books and journals. Besides the two main reading halls, there are separate areas for text books, theses and rare books, newspapers, and current periodicals. There is an Outer Reading Hall for studying personal books in the Library that is open round the clock.

There is provision of 24 research carrels for faculty members engaged in serious research work and 90 lockers for research scholars

OPAC: Along with Card Catalogue, the Library has in-house database of books, journals, theses and other reading materials. This database is accessible through Online Public Access Catalogue (OPAC) and Web-OPAC through Library website. (<http://library.puchd.ac.in>)

Digital Library: The Library has a digital library which serves as an access point to all the on line academic resources. The Digital Library is equipped with computers of latest configuration with the facility of CD-writing and print out of journal articles. The Digital Library is augmenting the research activities of the research scholars and teachers. Besides this, the Library has its own Reprographic Section.

Collection: The Library houses nearly 7.84 lakh volumes, which include books, bound volumes of journals, theses/dissertations, rare books, reports, government documents, back files of newspapers and a prized collection of 1492 manuscripts. The Library is subscribing to 514 current periodicals, a number of which have on-line access along with their print versions. The Library also has access to about 15000 + core and peer reviewed on-line journals and 14 bibliographical databases from publishers & aggregators in different disciplines through e-Shodh Sindhu consortium of INFLIBNET. These e-resources can be accessed through Campus network. Many on-line journals and miscellaneous reference sources in the public domain are accessible through the Library Website-library.puchd.ac.in. The Library has subscribed to 22 e-resources (2019) including Science Direct, Scopus, Westlaw, IEEE, ACM Digital Library, EBSCO, Proquest, Dissertation & Thesis Abstracts, Times of India online, India-stat, Districts of India etc. with links on the website.

What is where (floor wise list)

Office/Division/Section	Location	Contact Person	Telephone(EPABX)
University Librarian	II Floor	Dr. Jivesh Bansal	4551, 2548159
(Collection Development)	III Floor	charge with Librarian	4552
Deputy Librarian (Spl. Coll./TBS/Theses etc. (Reader Services)	Gr. Floor	Mrs. Arun Prabha	4553
In-charge Periodicals	III Floor	Dr. Neeraj Kumar Singh	4559
In-charge Reference Section/ (Admin.)	I Floor	Dr. Neeru Bhatia	4561
In-charge Circulation Section	I Floor	Dr. Suman Sumi	4558
In-charge Technical Section	I Floor	Ms. Mona Pall	4564
In-charge Acquisition Section	III Floor	Ms. Sunaina Khanna	4556
In-charge Special Collection/ Archival Section	Gr. Floor	Dr. Mritunjay Kumar	4579
In-charge Text-Book Section/ Theses Section	Gr. Floor	Mrs. Leena Khullar	4579
In-charge Reference II/ Transfer Cell	III Floor	Mrs. Indu Dhawan	4562
In-charge Computer Room	II Floor	Mr. Vinod Garg	4578
In-charge Binding	Gr. Floor	Mr. Raghubir Singh	4557
In-charge Office	IV Floor	Ms. Anita Bhaskar	4555

Timings: The Library is open from 8.00 a.m. to 10.00 p.m. on all days of the week throughout the year, barring national holidays. However, the Outer Reading Hall is open 24x7. Books are issued and returned from 9.00 a.m. to 4.30 p.m., Monday to Friday. However, members can avail issue/return facility after normal working hours through RFID Self-check and Book-Drop System.

Membership: The membership of the Library is open to bonafide students of the University teaching departments, all teaching and non-teaching staff of the University, fellows of the University, teachers of colleges affiliated to the Panjab University, eminent persons as Special Members, and institutional members under the Industry-Institute Partnership Programme. The students can apply by filling the online membership form through the library website.

Reader Services: Personalized reference service is the hall mark of the Library. Library Orientation Programmes are conducted in the beginning of each academic session for new entrants. A reader can approach any staff member for assistance, though Reference Desks are located in each Reading Hall. Newly processed books are brought to the notice of readers through weekly displays near the entrance of the Library. The Library also arranges books on inter-library loan to and from other libraries on specific demand. For the purpose of resource sharing, the Library is a member of library networks at the national level like Developing Library Network (DELNET) and Information & Library Network (INFLIBNET) programme sponsored by UGC.

Wi-Fi System: Library is Wi-Fi enabled to access online journals and data bases on laptops.

Digital Signage System: The A.C. Joshi library has Digital Signage System to keep the readers aware of addition of recent titles in the library, services and facilities available to readers, information regarding examinations and other lectures and events to be held in the University from time to time & general information.

JCCC: The Panjab University Library is one of the 22 libraries designated by INFLIBNET for providing inter-library loan and document delivery services from the comprehensive collection of subscribed journals under its JCCC@UGC-INFONET programme.

RFID Technology: The Library is equipped with the latest RFID Technology along with integrated Library Management Software to facilitate efficient issue/return of books including self issue/return, better stacks management, inventory control and an improved security system for books in the Library. There is a Drop Box facility at the entrance of the Library to facilitate round the clock return of books. SMS alert for the users account is also available.

ETD: The Library has already digitized 7230 Ph.D. theses and uploaded on the Shodhganga Platform. Continuing with the uploading process, after the viva of the student, the CD of his/her research work is received in the library and uploaded.

Inter-Library Loan and Document Delivery Services: Library is member of DELNET (Developing Library Network) which enables it to utilize the collections and services offered by DELNET as well as its member libraries spread across the country and abroad. If a book or article from a journal required by a researcher is not available in the A C Joshi Library, ILL request can be registered with the Reference Section in the A.C. Joshi Library and the same is procured on Inter-library loan and is supplied to the user.

Facilities for the visually handicapped : A special room has been provided for the visually handicapped students of the University on the ground floor of the library, with latest facilities like special Horizon A3 Scanner, Lex Software with English hand Hindi Voice pack and Hindi OCR. Computer access facility for the visually impaired students is also provided through JAWS and Zoomex softwares.

BHAI GHANAIIYA JI INSTITUTE OF HEALTH

Dr. D. Dhawan, Chief Medical Officer

'Bhai Ghanaiya Ji institute of Health' provides primary health facilities to its employees including retirees, their dependent children, parents and all students and hostel inmates of this University. The existing infrastructure has been thoroughly upgraded. A washroom has been specifically done up for the differently-abled. The office has been automated which has resulted in best space use.

Presently, BGJ Institute of Health is manned by Chief Medical Officer (One), Ex-Additional Chief Medical Officer (Two), Medical Officer (One). Visiting consultant (One) Full Time Medical Officers on contract basis (two), Part Time Gynecologist (One), Part Time Orthopedics (one), Medical Specialist (One), Yoga Instructor (One) , Pediatrician (one), and Ayurvedic Medical Officer (one).

The supporting staff consists of Chief Pharmacist (Four), Pharmacists (Two), Sister Nurse (One), Multipurpose Health Workers (Female Three) , Dresser (one on regular basis and one on contract), Ward boy (One), Para Medical Attendants (Four Regular and Two contractual), Laboratory Technicians three (two on regular basis and one on contract) Cleaners (Four Regular and Two Contractual). Besides, the office is manned by Senior Assistant (One) and Clerk on Daily Wage Basis (One).

We are serving the strong community of about 50,000 (fifty thousand) consisting of students, teachers, non-teaching employees (both serving and retired) , their dependents and the daily wagers, mess-workers, on contract employees, university delegates, guests, and visiting dignitaries etc. The number of patients visiting Health Centre is 350 per day on an average including emergency cases.

Regular OPD:-

Morning shift- 8.30am to 12.30pm (Monday to Friday)

9am to 11am (Saturdays)

Evening shift: 5pm to 6pm (Monday to Friday)

Emergency OPD [12.30 pm - 5.30 pm]
[5.30 pm - 10 pm]

Ambulance Services: Ambulance service is available to all the patients 24x7. The Ambulance service FREE to all students and class C employees and their dependents.

Medicines: All bonafide employees both teaching and non teaching and their dependents and all students are provided free medicines. Medicines are purchased directly from the Pharmaceutical Companies that are on the approved list of BGJ Institute of Health. With this arrangement, we are able to save about 50% on the cost of medicines. About 30 chemist shops/ drug stores in the tri-city are offering a discount of 10% on branded medicines and 30% on generic medicines to P.U. patient. This results in an approximate savings of about Rs 20, 00,000/-.

Diagnostic services:

- ◆ With the installation of highly sophisticated 500mA digitalized version of X-ray machine (Siemens) with a mammographic compatible unit and with a CR system (Fuji) world class X-ray are being done. A total of 3740 X-rays have been done during this period of April 2018 to March 2019.
- ◆ In a well equipped Clinical Laboratory having semi automatic analyzer all the routine tests in hematology, serology, biochemistry and microbiology etc. are being performed.
- ◆ ECGs are being done with 12 channels Schaller ECG machine in a separate ECG room. A total of 575 ECG have been done during this period of April 2018 to March 2019.
- ◆ Emergency and injection room is now equipped with Nebulizers, Oxygen, an emergency medicine cabinet with all emergency drugs, injections etc.

Medical Entitlement Booklets: The process of issuing new and revalidating old medical entitlement cards in a continuous process. A total of 12858 cards have been processed during this period. This process results in weeding out a number of cards of non entitled persons. Dependent children, parents, spouses of women employees have also been extended free medical entitlement facilities including OPD consultation, in-house available medicines, clinical investigations and Medical Reimbursement at par with male counterparts as per Medical Entitlement rules. The facility of free OPD consultation and laboratory investigations has now been made available to fellows and Ex- fellows. In order to further streamline the method of processing Medical Entitlement cards for which new different types of performas have been introduced. All the information is available on the PU website.

Chronic Diseases and their drugs distribution: A separate drug dispensing area is earmarked for patients of chronic ailments e.g. Hypertension, Heart diseases, Diabetes, Epilepsy, Asthma and COPDs osteo Arthritis etc. The employees and retirees have been benefited by this arrangement.

Revised National Tuberculosis Control Programme (RNTCP): The BGJ Institute of Health is an approved designated centre for DOTS under Govt. of India RNTCP. All patients of Tuberculosis are provided anti-tuberculosis drugs as per latest RNTCP guidelines free of cost.

Vector and Water Borne Diseases Surveillance Centre: With the collaboration of department of Health (National Vector Borne Wing) Chandigarh Administration, we are running a complete surveillance unit of malaria and dengue other vector borne diseases. Regular sprays and other preventive measures against malaria and other vector borne diseases are being undertaken. All malaria positive patients are notified to the concerned higher health authority of Chandigarh (U.T.).

Communicable Diseases and their Monitoring: Special arrangements are made every year to monitor all communicable diseases in coordination with the UT health services and to create awareness among both the employees and students. A number of cases of conjunctivitis are also reported every year. Records of patients having symptoms like cough, cold and fever are maintained separately to facilitate accurate monitoring. The staff of Institute of Health has been immunized against Hepatitis-B.

Special provision for Senior Citizens: For the convenience of the superannuated employees of the University, a special provision has been made to facilitate their out of turn registration, consultation and dispensing of Medicines in order to provide them medical assistance with in minimum possible time frame. Since this Institute is already doing its best to go on improving the available infrastructure for the benefit of all the patients with special focus on relatively with special need of a section of society. To fulfill this objective room no 16 has been specially designated and completely refurbished for the senior citizens and patients who has to get the investigations done after meal. Which is fully air conditioned equipped with a small pantry, a library cabinet, dining table, drinking water facility, a microwave, a refrigerator and wooden flooring. For above fund of Rupees two lacs have been donated to us, out of which one lac is donated by one of our very satisfied patient and another Rupees one lac is approved by the honorable Vice-Chancellor of P.U.

Yoga Classes: Yoga classes are being conducted regularly under the supervision of a qualified Yoga- Instructor.

- | | | |
|------|---|------------------|
| (i) | 5pm to 6pm (BGJ Institute of Health Sector 14) | Monday to Friday |
| (ii) | 6pm to 7pm (Community Centre, Sector 25) | Monday to Friday |

Health Awareness lectures, Seminars and Workshops: Lectures by medical experts on various health related topics are periodically held for awareness on health issues like Diabetic Neuropathy, Road safety, smoking hazards, alcohol abuse, Asthma Day, Hypertension Day, and Hepatitis Day stress awareness etc. in order to keep staff of BGJ Institute of Health abreast with the latest happenings in the medical sciences, interactive session cum demonstration with the help of power point presentation on topics of Vector Borne Disease, hand hygiene etc were conducted so that they can serve the community in a better way.

Medical camps: Medical camps are organized on Spirometry, Bone Mineral Density, Thyroid Function Test, Diabetes detection camps and Hypertension in association with Pharma companies for the benefit of University community. During this period 380 patients were examined for Bone densitometry, HbA 1c test were performed free of cost.

Reimbursement facilities: Reimbursement facilities are available to all the bonafide University employees and their dependents (both serving and retiree) as per medical reimbursement rules of the University. single window service has been started for the quick, easy and hassle free reimbursement process. Packages for various medical ailments have been implemented so that reimbursement procedures get further facilitated for patients not availing treatment at Govt. Hospitals, GMCH- 32, PGIMER, Chd, AIIMS New Delhi etc. The reimbursements of bills are done at PGIMER Chd/ AIIMS rates/ Panjab Govt. Medical Attendance rule. Online entry of Medical Reimbursement bills started w.e.f. April 2018 at BGJ Institute of Health.

Back-Up Electricity facility: During the period of non- availability of electricity, back up facility has been established by providing no maintenance inverters. This has result in smooth functioning of OPDs, clinical Laboratory Emergency services during electricity shut down periods.

Academic and Social Activities: The Medical doctors of the Institute of Health are regularly engaged as guest and honorary faculty in the subjects of Medicine, Surgery, Sports Medicines and Exercise Physiology etc. They regularly participate in continuing Medical Education/programmes throughout the year. They have delivered lectures on medicine, Drugs, Alcohol and Substance Abuse, Health Concerns, Health and Teachers at Chandigarh Judicial Academy, Rajiv Gandhi National Law University Patiala and Kendra sangthan. (Union Ministry of Human Resource and Development) and Department of various Department of Panjab university etc.

Visual Aids: A LCD 32 Inches with cable connection is functioning in the patients' waiting area to telecast various health related programmes of different TV channels including Door Darshan.

Library: Library equipped with latest medical books and journals.

Newspapers and Magazines: Newspapers and Magazines both in English and Hindi are being made available in the patients waiting areas.

New facilities and additions:

- ◆ Medicines, gadgets and equipments are being purchased for about rupees 10 lacs.
- ◆ For senior citizens 'Rest Room cum Dining Room' equipped with library is now functional.
- ◆ For storing medicines at desirable room temperature and cool environment away from sunlight, the pharmacy storage has been fully renovated.

Parking area: For the convenience of patients, old and enfeebled, senior citizens and physically challenged, more facilities for parking of their transport has been provided.

Future Vision:

- ◆ We are in the process of installation of alternative source of energy (Solar Energy).
- ◆ To go for computerization of Medicines and patients records etc.
- ◆ Air conditioning of rest of the patient facility areas.
- ◆ Automatic fully computerized autoclave is in purchase process along with Oxygen concentrator.
- ◆ Upgradation of laboratory with automatic cell counter.
- ◆ Installation of audiovisual system at senior citizens retiring room.
- ◆ LCD projector with screen and laptop for medical/educational programmes for patients.

IMPORTANT INSTRUCTIONS

1. Candidates are advised to visit the website <http://admissions.puchd.ac.in> for admission related Notices, Updates and various websites for admission purposes.
2. Candidates seeking admission to select courses offered by Teaching Departments and Regional Centres of Panjab University shall fill online Admission Form, complete in all respects on or before the prescribed last date of submission of Admission Form.
3. Candidates are advised to apply for admission irrespective of the fact whether the result of the lower examination or Entrance Test has been declared or not. A candidate who does not apply till the last date, he/she will not be considered for the admission. However, a candidate whose result of the lower examination or Entrance Test has not been declared till the last date of submission of Admission Form and who applies for admission will be allowed to participate in the admission process after declaration of result.
4. Prescribed Fees, Funds and charges shall be payable by the candidates.
5. Once a candidate has been admitted to a course, his/her certificates/testimonials will be kept by the Department for registration/verification purposes. However, on written request of the candidate, certificates/testimonials can be given back to the candidate for a reasonable period.
6. Candidates seeking refund of admission fee and other charges will have to follow General Refund of Fee Rules provided in the Handbook of Information (pp. 249-256).
7. Those students who secure 1st position in General, SC/ST, Women Categories in P.U. (CET-U.G.) Entrance Test, will be exempted from payment of tuition fee during first year.
8. Under the Choice-Based Credit System obtaining 24 credits in a Generic Elective Course Subject in the full B.Sc. (Hons.) course shall also be deemed sufficient to satisfy a requirement for admission to the M.Sc. course in the concerned subject. However, the candidate has to fulfill other requirements as mentioned for respective M.Sc. Courses.
9. Students are expected to regularly attend classes/tutorials/practicals/field work etc. Rules regarding Condonation of Shortage of Lectures are listed in Handbook of Information (pp. 273).
10. The confidential result of the examination shall be accepted for the purposes of admission.
11. A printed copy of the result download from official website of University/Board/Institute shall be considered only if it is duly verified by the competent authority of the institute/college/university last attended. However, the candidate will have to produce original DMC/Degree within 15 days from the date of admission.
12. The admission of the candidate will be cancelled and legal action will be taken if there is any concealment/misrepresentation of information in Admission Form or in the attached certificates/undertakings/documents etc.
13. Admission to all the courses are governed by the Rules and Regulations for admission as approved by the relevant bodies of the university from time to time.
14. No student shall be allowed to be on the rolls of two-degree programmes simultaneously.
15. Vacant seats in SC, ST, BC, Defence, Terrorist, Riots, Victim, Freedom Fighter, Sports and PwD categories will be converted to General category on 09.08.2019 (Friday).
16. Admission of all such students who fail to attend at least 33% of the total lectures/tutorials/practicals etc. delivered/held in each paper during the first ten working days from the start of teaching work shall be cancelled by the Board of Control/Joint Admission Cell.
17. Each candidate applying for admission under Reserved category of Sports will take a print out of the online Admission Form and submit self-attested photocopies of the relevant certificates and undertakings as per 'Guidelines for Admission to the Reserved Category of Sports' to the office of the Campus Sports, (Gymnasium Building, Jawaharlal Nehru Complex), PU Chandigarh on or before the last date of submission of Admission Form. If the candidate fails to submit the Form complete in all respect in the office of the Campus Sports, his/her candidature under Sports Category will be rejected.

*Fee to be charged for Online Application Form for Admission

Sr.No.	Particulars	Fee to be charged (Rs.)
Candidate can apply for 4 courses only on one Admission Form		
1	For online application for admission to 1 course	300
2	For online application for admission to 2 courses	400
3	For online application for admission to 3 courses	500
4	For online application for admission to 4 courses	600
Candidate intending to apply for more than 4 courses is required to submit another Admission Form		
		Additional Fee to be charged (Rs.)
1	For online application for admission to 5 th course	300
2	For online application for admission to 6 th course	400
3	For online application for admission to 7 th course	500
4	For online application for admission to 8 th course	600

Candidate intending to apply for more than 8 courses is required to submit yet another Admission Form with the above mentioned additional fee per additional course.

***50% concession to SC/ST/PwD candidates in Application Fee.**

IMPORTANT DATES FOR ADMISSIONS

Session 2019-2020

1st Year of Post-Graduate Degree Courses / Under-Graduate Degree Courses / Certificate / Diploma / Advance Diploma Courses (except BE courses, and B.Sc (Hons) / B.Pharma courses under PU-CET(UG) and ongoing classes*

I.	Availability of Online Admission Form	01.06.2019 (Saturday)
II	Last date of Submission	03.07.2019 (Wednesday)
III	Corrections, if any, to be made in the Online Admission Form	Upto 13.07.2019 (Saturday)
IV	Normal Admission (without late fees)	15.07.2019 (Monday) to 27.07.2019 (Saturday)
V	Late Admission with permission of the Chairperson (with late fee of Rs. 1000/-)	29.07.2019 (Monday) to 13.08.2019 (Tuesday)
VI	Late Admission with permission of the V.C. (with late fee of Rs. 3000/-)	14.08.2019 (Wednesday) to 31.08.2019 (Saturday)

*Ongoing classes of 3rd/ 5th/ 7th/ 9th semesters will start from 08.07.2019 (Monday). In case of ongoing classes, each student whose result of the lower semester/class has not been declared, shall have to seek provisional admission with an undertaking to the effect that his/her admission shall stand cancelled if he/she fails to meet the eligibility requirement(s) for promotion to the next higher semester/class as per the rules and regulations of the course. Counting of attendance for the purpose of calculation of shortage of lectures will be made from 08.07.2019. If such a candidate seeks provisional admission after this date, his/her attendance will still be counted from 08.07.2019 and not from the date on which he/she seeks provisional admission. The candidate after the declaration of result of lower semester/ class will have to deposit the due fees within ten days of declaration of result in order to get his/her admission confirmed.

- All Teaching Departments/Regional Centres should strictly adhere to the dates of admissions as indicated above. In any case, no admission shall be made before the dates of normal admission and after 08.07.2019 as specified above.
- The Vice Chancellor may permit late admission up to the date specified in the above-mentioned admission schedule on payment of late fee of Rs. 3000/-. While recommending such applications for prior permission of the Vice-Chancellor, it may be ensured that the late fee has been remitted by the candidate and his /her request carries Receipt No. and date.
- Prior permission of the Vice Chancellor is necessary for admission after the expiry of the last date as indicated in point VI above. If such permission is not sought and the admission is made in anticipation of the approval of the Vice Chancellor, post facto permission shall not be given.
- Admission process will continue on all Saturdays and public holidays, if any, which fall during the days of normal admission. So, All Teaching Departments/Regional Centres shall remain open on 20.07.2019 (Saturday), 27.07.2019 (Saturday) and on Public Holiday(s), if any.
- All Teaching Department / Regional Centres should get Schedule of Counselling-cum-Admission approved from the DUI in the prescribed format.

Process of cancellation of admission of the students of 1st Semester who have not attended at least 33% of lectures delivered in the first 10 working days

1st day	Date of commencement of classes	08th July 2019
10 th day	Date for collection of attendance of the first 10 working days from the faculty	19 th July 2019
12 th day	Date of display of list of students who have not attended at least 33% of lectures and inviting the reasons for absence	22 nd July 2019
16 th day	Last date of submission of reasons of absence by the students in writing	26 th July 2019 (upto 3.00 P.M.)
16 th day	Date of Board of Control meeting to evaluate and decide about the validity of the reasons / justification	26 th July 2019 (4.00 P.M.)
16 th day	Date of display of vacant seats on physical and online Notice Board of the department	26 th July 2019 (5.00 P.M.)
	Date of filling up of Vacant seats	27 th July 2019
	- General Category	9.00 A.M. to 12.00 noon
	- Reserved Categories and Additional seats	12.00 noon to 1.00 P.M.
	- De-reservation of SC/ST/BC/SP/Def/PwD/TV/FF	2.00 P.M. to 2.30 P.M.
	- Filling up of vacant seats in General Category (after de-reservation)	3.00 P.M. to 5.00 P.M.
	Last date for deposit of fee (with late fee)	29 th July 2019

Departments / Regional Centres can continue to make fresh admissions even after 08.07.2019 as per the Late Admission criteria. However, the above-listed process is to be applied on only those students whose admission has been made prior to 09.07.2019 and were required to start attending classes from 09.07.2019.

**For the information of candidates applying in online mode of admission
in the Reserved Category of Sports**

Each candidate applying for admission in this category will take a print out of the online Admission Form and submit self-attested photocopies of the relevant certificates and undertakings as per 'Guidelines for Admission to the Reserved Category of Sports' to the office of the Campus Sports, (Gymnasium Building, Jawaharlal Nehru Complex), P.U. Chandigarh on or before the last date of submission of Admisssion Form. If the candidate fails to submit the Form complete in all respect in the office of the Campus Sports, his candidature under Sports Category will be rejected.

Academic Calendar for the session 2019-2020 for the Panjab University Teaching Departments/ Regional Centres having Semester System of Examination :

Summer Vacation	31-05-19 (Friday)	To	07-07-18 (Sunday)	(38 days)
Academic Calendar				
Teaching Departments and Regional Centers of the University Open on	08-07-19 (Monday)			
Admission Schedule				
Admission Process	08-07-19 (Monday)	TO	13-07-19 (Saturday)	(06 days)
Normal Admission for ongoing and new classes (except for those classes in which admission is through PU-CET (U.G & P.G))	15-07-19 (Monday)	To	27-07-19 (Saturday)	(12 days)
Late Admission for ongoing classes and new classes to be allowed by the Chairperson of the University Teaching Department/Regional Centres with late fee of Rs. 1000/- per student.	29-07-19 (Monday)	To	13-08-19 (Tuesday)	(16 days)
Admission for B.Sc. (Hons.) & B.Pharm through PU-CET(UG)	1st online Counselling 05.07.19 (Friday)	2nd online Counselling 18.07.19 (Friday)	3rd Physical Counselling 25.07.19 & 26-07-19 (Thursday) (Friday)	
Commencement of teaching:				
(i) For ongoing classes ¹	08-07-19 (Monday)			
(ii) For new admission classes ²	15-07-19 (Monday)			
(iii) For (PU-CET (U.G.))	12-07-19 (Friday)			
Late admission in the University Teaching departments/Regional Centers to be allowed by the Vice Chancellor with late fee of Rs. 3000/- per student.	14-08-19 (Wednesday)	To	31-08-19 (Saturday)	(18 days)
Academic Term-I (a)				
Odd semesters	08-07-19 (Monday)	To	29-11-19 (Friday)	(97 Teaching days)
Total Teaching days of Academic Term I=97 days				
End Semester Examinations	02-12-19 (Monday)	To	21-12-19 (Saturday)	(18 days)
Semester vacation (Winter Break)	22-12-19 (Sunday)	To	02-01-20 (Tuesday)	(12 days)
Academic Term-II Even semesters				
University reopens after Semester Examination	03-01-20 (Friday)	To	08-05-20 (Friday)	(84 Teaching days)
Total Teaching days of Academic Term II=84 days				

End Semester Examinations	09-05-20 (Saturday)	To	30-05-20 (Saturday)	(19 days)
Summer vacation (tentative)	31-05-20 (Sunday)	To	05-07-20 (Sunday)	(36 days)

Total Teaching days of academic term I & II 97+83=180 days

¹ Ongoing classes of 3rd/ 5th/ 7th/ 9th semesters will start from 08.07.2019 (Monday) and classes of 2nd/ 4th/ 6th/ 8th/ 10th semesters will start from 03.01.2020 except for those departments which have got the date of start of classes approved earlier than this date. In case of ongoing classes, each student whose result of the lower semester/class has not been declared, shall have to seek provisional admission with an undertaking to the effect that his/her admission shall stand cancelled if he/she fails to meet the eligibility requirement(s) for promotion to the next higher semester/class as per the rules and regulations of the course. Counting of attendance for the purpose of calculation of shortage of lectures will be made from 08.07.2019 and 03.01.2020 respectively. If such a candidate seeks provisional admission after these dates, his/her attendance will still be counted from 08.07.2019 or 03.01.2020 and not from the date on which he/she seeks provisional admission. The candidate after the declaration of result of lower semester/ class will have to deposit the due fees within ten days of declaration of result in order to get his/her admission confirmed.

² Except MBA courses of UBS, UIAMS, B.A. LL.B, B.Com. LL.B, B.E, BTTM, BHMCT of UIHTM.

Note:

- 1. The Departments/Regional Centers are free to fix the dates of test/Sessionals as per their convenience. Adjustments, if any, in the Semester schedule of certain University Teaching Departments and Regional Centers may be allowed by the Dean of University Instruction in special cases**
- 2. Candidates seeking admission under Reserved Category of Sports are advised to go through the Schedule of the Trials at Annexure V of Guideline for Reserved Category of Sports.**

Faculty members are available in the respective Departments for consultation and guidance of students from 3:00 P.M to 4:00 P.M on working days.

RULES OF ADMISSION FOR THE COURSES OFFERED BY UNIVERSITY TEACHING DEPARTMENTS/CENTRES/INSTITUTES

1. General Rules:

Admission to all courses offered by the Panjab University teaching Departments / Centres / Institutes is governed by the following rules :

- a) Wherever for admission, Bachelor's Degree is the minimum requirement, it shall mean the first degree obtained under 10+2+3 scheme. The first degree obtained under the old scheme (14-year course) till April, 1995 will be treated at par with the first degree under 10+2+3 scheme for the purpose of admission to these courses.
- b) Every candidate must apply for the Reserved / Additional Category(ies) to which he/she belongs to in the Admission Form. All candidates will be considered in the General Category irrespective of the fact that they have claimed for admission under Reserved/Additional Categories. No candidate shall be considered for admission against any Reserved Category(ies) for which s/he has not applied (as per Important Dates at Page No. 19-22).
- c) All information relating to admission shall be uploaded on the Online Notice Board of the concerned department as well as on the Physical Notice Board.

2. Schedule of counselling / admission

- a) The date-wise schedule of counselling/admission shall be separately announced by the Department concerned, with the approval of the Dean of University Instruction, which shall be strictly observed.
- b) This schedule shall contain the dates of posting the Tentative Merit List (which will be updated after seeking objections, if any); Provisional Merit List; Aptitude Test, Group Discussion, Personnel Interview (wherever applicable); Counselling.

Information relating to point a) & b) shall be put on the Online Notice Board of the department as well as Physical Notice Board.

- c) Merit List of Selected Candidates and those figuring in Waiting List in order of merit (duly approved by the Dean of University Instruction) and the last date of deposit of fee will be put on Online Notice Board of the department as well as Physical Notice Board.

3. Distribution of seats

3.1 Seats for General and Reserved Categories

The number of seats in each course offered in the Teaching Departments, as announced in the Admission Notice/s, shall be strictly adhered to, except for such minor adjustment as may be necessary on account of rounding off fractions to accommodate reservations, as given below :-

- (A) **53.5%** of the seats in each course shall be treated as belonging to the **General Category**.
- (B) **46.5%** seats shall be treated as belonging to the **Reserved Category**, as per details given below :
 - (i) **15%** for candidate belonging to the **Scheduled Castes**.
 - (ii) **7.5%** for candidates belonging to the **Scheduled Tribes**.
 - (iii) **5%** for candidates belonging to the **Backward Classes**.

The above reservation shall be subject to the following conditions:

- (a) The number of students admitted on merit of General Category shall not be included in the number of seats reserved;
- (b) Members of Scheduled Castes/Tribes and Backward Classes shall be allowed a concession of 5% marks for admission to the courses in which a certain percentage of minimum marks has been prescribed provided they have obtained minimum pass marks prescribed by regulations;
- (c) In case the seats earmarked for Scheduled Castes/Scheduled Tribes remain unfilled, a further relaxation in marks may be given, in order of merit inters-se amongst the candidates themselves, so that all the reserved seats are filled in by candidates belonging to these categories. This, however, will not apply for M.B.B.S. admission; and
- (d) A Scheduled Caste/ Scheduled Tribe person on migration from the State of his origin will not lose his status as Scheduled Caste/Scheduled Tribe but he will be entitled to the concessions/benefits admissible to the Scheduled Castes/Scheduled Tribes from the State of his origin and not from the State where he has migrated. (Regulation 29.1, P.U Cal. Vol-I, 2007 page 168).

(iv) **5% seats** will be horizontally reserved for persons or class of **Persons with Disability (PwD)*** out of which 1% each shall be reserved for persons suffering from the disabilities specified under the RPWD 2016 Act:

1. Physical Disability
 - A. Locomotor disability
 - (a) Leprosy cured persons
 - (b) Cerebral palsy
 - (c) Dwarfism
 - (d) Muscular dystrophy
 - (e) Acid attack victims
 - B. Visual Impairment
 - (a) Blindness
 - (b) Low Vision
 - C. Hearing Impairment
 - (a) Deaf
 - (b) Hard of Hearing
 - D. Speech and language disability
2. Intellectual disability
 - (a) Specific learning disabilities
 - (b) Autism spectrum disorder
3. Mental behaviour (Mental Illness)
4. Disability caused due to
 - (a) Chronic neurological conditions due to:
 - (i) Multiple sclerosis
 - (ii) Parkinson's disease
 - (b) Blood Disorder
 - (i) Haemophilia
 - (ii) Thalassemia
 - (iii) Sickle cell disease
5. Multiple Disabilities (Deaf Blindness)
6. Any other category as may be notified by the Central Government (Annexure - the Schedule of RPWD Act 2016, Page No. 33, 34, 35)
 - a) If 5% of reservation of seats comes to 0.5 to 0.9, it shall be treated as one seat. However, if after calculating seats on the basis of 5%, the number of seats is divisible by 5, equal distribution of seats will be made for all the five categories. If after the division, any remainder is left, it shall be distributed on the basis of inter-se merit amongst all the five categories. If the seats after calculating on the basis of 5% comes to less than 5 it shall be distributed on the basis of inter-se merit amongst all the five categories
 - b) In the absence of availability of candidates in any of the categories, the seats shall be interchanged inter-se.
 - c) If seats reserved for Persons with Bench mark Disabilities remained unfilled, these shall be treated in the sanctioned strength of seats for General Category.

Applicants under the Reserved Category of Persons with Bench mark Disabilities shall be allowed a relaxation of 5% marks for calculation of merit in seeking admission to the courses in which a certain percentage of minimum marks has been specified, provided they have obtained minimum pass marks prescribed by the University regulations.

* Claimant in this category should be capable of pursuing the course for which the admission is sought. The Persons with Benchmark Disability (as per section 2(r) of the Rights of Persons with Disabilities (RPWD) Act 2016 should have a minimum of 40% disability duly certified by the Medical Board of District/State/UT/Medical Institution of National Importance. Such certificate shall be further certified by the Medical Board of the Panjab University Health Centre.

The candidate under the Reserved Category of Persons with Bench mark Disabilities shall be allowed an upper age relaxation of 5 years for admission, in the courses wherever upper age restriction is applicable.

A claimant who fraudulently avails or attempts to avail any benefit meant for persons with benchmark disability shall be punishable with imprisonment for a term which may extend to 2 years or with fine which may extend to one lakh rupees or with both.

(v) **5%** for candidates belonging to **Sports Category**.

(vi) **5%** for candidates belonging to **Defence** (for all the under-mentioned categories taken together) who fall in one of following categories (which are given here in order of precedence):

1. Son/Daughter/Spouse of such Defence Personnel and CAPF Personnel¹ who died in action. (only those who were wholly dependent on such personnel shall be considered).
2. Son/Daughter/Spouse as are wholly dependent on such Defence Personnel and CAPF Personnel who were incapacitated²/died while in service.
3. Defence and CAPF Personnel who were incapacitated while in service.
4. Son/daughter/spouse of ex-servicemen³ who are wholly dependent on them.
5. Son/daughter/spouse of serving Defence Personnel and CAPF who are wholly dependent on them.
6. Ex-Servicemen
7. Serving Defence personnel and CAPF personnel

Note : Except in the case of admission to evening courses, categories 2, 4 and 5 under 2 (B) (VI) will not be considered, since the term "wholly dependent" will exclude such persons as are 'employed' or 'self-employed'.

(vii) **2%** for Sons/Grandsons/Daughters /Granddaughters/ Husband / Wife / Brothers / Sisters of persons killed/incapacitated in November, 1984 **riots** and of persons killed / incapacitated in **Terrorist Violence** in Punjab and Chandigarh. A Certificate from the District Magistrate to this effect must be submitted by the candidate. Migrant Card alone is not enough.

Note : In case there will be any amendment /change in the existing clause, the same shall be notified and communicated to all concerned departments by the Deputy Registrar (Colleges).

(viii) **2%** for the Children/Grand children of **Freedom Fighters** who have been sanctioned pension by Central/State Govt. or awarded Tamra Patra by Government of India (Synd. Para 15 dated 30-5-1997) or those who have been certified to be freedom fighters by the Centre/State Govts.

(ix) Any other statutory reservation as prescribed by the Govt. of India, if any.

1. CAPF earlier known as Para-military forces, includes Assam Rifles(AR), Border Security Force(BSF), Central Industrial Security Force(CISF), Central Reserve Police Force(CRPF), Indo Tibetan Border Police(ITBP), National Security Guard(NSG), Sashastra Seema Bal(SSB) etc.
2. Incapacitation will mean incapacitation leading to the discharge of the person by authorities concerned.
3. Ex-serviceman means a person who has served in any rank whether as a combatant or non-combatant in the regular Army, Navy and Air Force of the Indian Union or in CAPF :
 - (i) Who retired from the service after earning his /her pensions; or
 - (ii) Who has been boarded knout of the service on medical grounds attributable to military service / CAPF or circumstance beyond his control and awarded medical or other disability pension; or
 - (iii) Who has been released from the service as a result of reduction in establishment; or
 - (iv) Who has been released from the service after completing the specific period of engagement, (otherwise than at his own request, or by way of dismissal, or discharge on account of misconduct or inefficiency) and has been given a gratuity.
 Territorial Army Personnel of the following categories shall also be considered as ex-servicemen :
 - a) Pension holders for continuous embodied service;
 - b) Disabled Territorial Army Personnel with disability attributable to military service;
 - c) Gallantry award winners.

3.2 Additional Seats including NRI (Non-convertible)

(a) Wards of Kashmiri Displaced Persons

- (i) Relaxation in cut-off percentage upto 10% subject to minimum eligibility requirement.
- (ii) Increase in intake capacity upto 5% course-work.
- (iii) Reservation of atleast one seat in merit quota in technical / professional institutions
- (iv) Waving off domicile requirements.

Note : Seats in the above listed courses are subject to the norms of Regulatory bodies.

Documents required :-

- A candidate seeking admission against this seat is required to produce a certificate from an authorized Government Officer (i.e. Relief Commissioner/ Deputy Commissioner of the concerned district/area) to the effect that the candidate is a ward of Kashmiri displaced person.
- Proof of current residence (such as Ration Card/Photo Identity Card issued by the Election Commissioner / Driving License/Aadhaar Card/Passport etc.)
- The admission of a candidate against this category shall be provisional subject to verification of his/her above mentioned certificates by the competent authority.

Note: Seats in the above listed courses are subject to the norms of Regulatory bodies.

(b) Wards of Martyrs/permanently disabled in Kargil War

Concession be given for admission to various courses in Educational Institutions up to academic year 2020-21 only to those wards of martyrs/permanent disabled (up to 80% leading to incapacitation) of Kargil war who have a valid certificate from the Ministry of Defence to this effect and the same be entered in the pension Book of the family:

- 1) 1% seats with minimum of 1 seat in the Departments except in partially financed/self-financing courses.
- 2) Exemption in fee.
- 3) Exemption in hostel fee

(c) 2 Seats under Supernumerary Quota

A quota of 2 supernumerary seats for each college/institute approved by AICTE, under General and Engineering streams would be provided, for which the students would compulsorily have to apply through the web portal of AICTE. Admission of students under the supernumerary quota would be as per their option, subject to merit. Centrally Funded Institutes/Colleges are NOT covered under the Supernumerary Quota.

(d) One Girl Child out of the only two girl Children

- 1) Two additional seats per unit per course subject to maximum limit of four (4) out of the two girl children from the session 2015-16 are created for admission to a given course in the Panjab University Teaching Departments, Regional Centres provided they are otherwise eligible from all angles. The additional seats will be only for those girl Children who are either a single girl child of her parents or one amongst the only two girl Children with no male Child. The additional seat will be available to only one of the two girl children of a couple.
- 2) An undertaking to be obtained from the parents of the girl children declaring therein that the benefit of this scheme is being claimed for only One Girl Child out of the two girl Children and the parents shall not claim the same for the 2nd girl child elsewhere in future.

(e) Cancer / AIDS / Thalassemia:

One additional seat each for the student suffers from Cancer / AIDS / Thalassemia has been allowed for admission in each course in the Panjab University Teaching Departments, Regional Centres subject to the condition that the candidate seeking admission under each of these categories if otherwise eligible from all angles. The claimant candidate will have to submit a certificate, as a proof from the National Medical Institute like PGI, AIIMS etc., in support of his/her claims.

(f) Two Seats for Rural Area Students

Only those candidates will be considered in this category, who have passed their Matriculation and +2 examination from those rural schools that do not fall in the area of the Municipal Corporation/Municipal Committee/Small Town/Notified Area/Cantonment Area. A candidate claiming such benefit will have to produce a certificate from the D.E.O./Principal of the concerned institute of the area certifying that the school from where the candidate has passed the Matriculation and +2 examination, falls within the aforesaid rural area.

(g) One seat for Border Area Students

The Border area students shall mean those candidates who have passed their Matriculation from a School situated in Border Area and +2 from a School situated in any other area within 20 kilometres from the International Border. A candidate claiming such benefit will have to produce a certificate from the Tehsildar or the Principal/Headmaster/Head of the School certifying that the School from where the candidate has passed the matriculation, falls within the aforesaid Border area.

(h) One Seat for Youth Festival

In all the teaching courses (except the courses governed by AICTE / NCTE / BCI / MCI / DCI etc.) being run in the Panjab University Campus including constituent colleges / regional centres/affiliated colleges, one additional seat is reserved per unit for those candidates who have excelled and outperformed by their participation in the Youth Festivals. The candidate availing the aforesaid facility must fulfil the eligibility condition for admission to the particular course. For those courses to which the admission is to be done on the basis of entrance test, the candidate must have passed the entrance test. The selection of such candidates for admission to various courses at PU Campus/ regional centres / constituent colleges, will be made by the respective admission committees. For recommending admission on the basis of youth festival participation, admission criterion will be fixed on the basis of merit as mentioned below and upon the verification of the original certificates of those candidate, who :

- (A) have presented an item in an international cultural festival approved by Punjab Govt. /Govt. of India / Panjab University.
- (B) have got distinction in All India National Inter University Youth Festival organized by AIU / Govt. of India
- (C) have got distinction in North Zone Inter University Youth Festival organized by AIU.
- (D) have secured first/second/third position in Inter University Youth Festival organized by Govt. of Punjab/ any State or Central University .
- (E) have secured first/second / third position in Panjab University Inter Zonal Festival.
- (F) have secured first /second /third position in Panjab University Zonal festival
- (G) have secured first/second/ third position in state level competition of State School Education Board of Punjab/ Haryana / HP/ or CBSE/ICSE or any other recognised board
 1. Category A is considered as highest category followed by B, C onwards .
 2. Preference will be given to the candidate who represented Panjab University Chandigarh in A, B, C and D category
 3. Achievement(s) only during the preceding 3 years of the year of the admission will be considered

In case two or more candidate have equal position at equal level then :

- i. Position secured in an individual item shall be rated higher as compared to as a team.
- ii. The eligibility of the candidate for participation in university youth festivals, in future, may also be considered.
- iii. Academic record may be considered in case of tie between two or more candidate.

In case of any ambiguity, the related certificates be got verified from the Department of Youth Welfare through the concerned Chairperson / Principal / Head etc.

The candidate admitted on the basis of youth festival additional quota seats shall have to give an assurance to the university authorities that during the duration of the course the candidate will participate in the activities associated with his item and will not create any kind of indiscipline. The admission committee will assess the participation of the candidate and in case the candidate does not fulfill the requirements, his admission may be cancelled. However, exemption can be given because of a special reason like sickness or any other unavoidable reason in inter varisty Youth Festivals, National Festivals and International Festivals.

(i) Categorization of International / NRI Students

A foreign national may seek admission in any of the courses being offered by the University through the International Students Office under any of the following categories-

- (i) Candidates with nomination / sponsorship by any foreign State, Embassy or authority in India under a Study in India / Exchange Programme, etc.
- (ii) Foreign nationals or their wards who are self-financed students (not seeking admission through a mode as mentioned in (i) above).
- (iii) Non- resident Indians or their Wards (not seeking admission through a mode as mentioned in (i) above).

The definition of the terms, "Foreign Nationals, Non-resident Indians and Wards" be considered as under:-

1. **Foreign Nationals:** Foreign Nationals holding passports issued by foreign countries including people of Indian origin who have acquired the nationality of foreign countries are included as foreign students. Provided any subsequent changes in the definition as may be notified by the Government of India shall have the same latest meaning respectively assigned to them. The other expressions not defined herein shall have the meaning as may be assigned in any subsequent notification of the Government of India.
2. **Non-resident Indians:** A person shall be deemed to be Non-resident Indian for seeking admission in Panjab University if s/he fulfils the criterion (as amended from time to time) for status of NRI under Income Tax Act, 1961, in the year in which he/she seeks admission in Panjab University.

As per Income Tax Act, 1961 the present criterion for determination of status of NRI is as follows:-

'Non-resident Indian' is an individual who is a citizen of India or a person of Indian origin and who is not a resident of India. Thus, in order to determine whether an Individual is a non-resident Indian or not, his residential status is required to be determined under Section 6. As per Section 6 of the Income-tax Act, an individual is said to be non-resident in India if he is not a resident in India and an individual is deemed to be resident in India in any previous year if he satisfies any of the following conditions:-

- (i) If he is in India for a period of 182 days or more during the previous year; or
- (ii) If he is in India for a period of 60 days or more during the previous year and 365 days or more during 4 years immediately preceding the previous year.

However, condition No. 2 does not apply where an individual being citizen of India or a person of Indian origin, who being outside India, comes on a visit to India during the previous year.

A person shall be deemed to be of Indian origin if he, or either of his parents or any of his parents or any of his grand - parents, was born in undivided India.

3. Wards of Foreign Nationals and NRIs:

- a. A student who seeks admission as a ward of Foreign National or Non-resident Indian should be in a first degree / blood relationship with foreign national or Non-resident Indian. The term first degree / blood relationship includes (a) spouse (b) children (natural / adopted / foster) (c) real brother and sister of father i.e. real uncle and real aunt (d) real brother and sister of mother i.e. real maternal uncle and maternal aunt (e) father and mother of father i.e. grand - father and grand-mother (f) Father and mother of mother i.e. maternal grand-father and maternal grand-mother (g) first degree-paternal and maternal cousins.

Eligibility and Admission Criterion:

- (i) The students who will be admitted against the NRI quota should have the basic qualification fixed by the Medical Council / Dental Council / Bar Council of India / Pharmacy Council of India for admission in Medical / Dental / Law graduate / post graduate courses. The Rules of respective Regulatory Bodies shall apply as amended from time to time.
- (ii) NRI candidates seeking admission to any course will be required to produce the Test Scores of Scholastic Aptitude Test-II (SAT-II) with permissible combination of subjects, conducted by the Education Testing Service, Princeton, U.S.A., for admission to under graduate courses; Graduate Record Examination (General) (GRE) from Princeton, U.S.A., or GMAT for admission to Post Graduate Courses. In the case of foreign nationals (non-English speaking countries), TOEFL/IELTS Scores should also be produced.
- (iii) Admission to all Engineering courses against NRI quota in the University Institute of Engineering & Technology (UIET), University Institute of Chemical Engineering & Technology (UICET) and P.U. Regional Centre, Hoshiarpur shall also be admissible through Direct Admissions Students Abroad (DASA) w.e.f. the academic session 2018-2019.
- (iv) NRI candidates shall compete amongst themselves for admission to various courses. Their inter-se merit shall be determined on the basis of the score obtained in SAT-II, GRE, GMAT etc.
- (v) A candidate once admitted as NRI candidate in an undergraduate course shall be covered under the definition of NRI for subsequent admission to any course at Panjab University.
- (vi) Candidates who take admission under the NRI quota and are promoted from Undergraduate to Postgraduate course in the Hons. School framework (ongoing program) shall not be allowed to change their category.
- (vii) A candidate admitted under NRI quota may change his/her admission to a vacant seat provided the candidate falls within the merit of admitted candidates in General or Reserve Category.
- (viii) NRI candidates shall have to comply with any other requirements prescribed by the Govt. of India and Panjab University from time to time.

- (ix) For admission to B.P.Ed. and M.P.Ed. (Physical Education), a candidate will be required to undergo mandatory Physical Efficiency Test. The scores of Physical Efficiency Test will be counted for determining merit.
- (x) NRI candidates shall provide the following certificates / documents:-
- Academic certificates of passing the qualifying or equivalent examination approved by the Association of Indian Universities (AIU) / Commonwealth Universities / International Association of Universities (IAU) as equivalent to the corresponding Indian Degrees/ Certificates.
 - Test Score of Scholastic Aptitude Test II (SAT-II)/ GRE/GMAT/TOEFL/IELTS Etc.

The above listed Additional Seats (a) to (i) will be available subject to the clearance from regulatory agencies such as AICTE, NCTE, MCI, DCI, BCI, PCI, AERB etc.

Explanation for calculation of category-wise seats and rounding off of fraction:

While working out the percentage of seats in the Reserved Categories as given above, if the number arrived at contains a fraction, this shall be resolved as follows :-

If the fraction is 0.5 or more, it shall be rounded off to 1; if it is less than 0.5, it shall be ignored. This shall, however, not affect the total number of seats in the General Category. To ensure this, if the total number of seats after making this adjustment, exceeds the prescribed number fixed for the course, the necessary additional seats shall be created with the prior permission of the D.U.I./Vice-Chancellor. Such seats, if created, shall be treated as additional only for the year in question.

Illustration: In a course which has 35 seats, the distribution of seats among the various Categories will be as under:

General	SC	ST	BC	Sports	Defence	Persons with Disability	Riot/ Terrorist Victim	Freedom Fighter	Total
53.5%	15%	7.5%	5%	5%	5%	5%	2%	2%	
19	5	3	2	2	2	2	1	1	37

The total number of seats is increased to 37 (as above), the 36th and 37th seats will be treated as an additional seat in the course for that year only. The additional seat, if required to be created, shall be created only for the Reserved Category and not for the General Category. Such additional seat, if remains unfilled, will not be converted to General Category.

4. Eligibility Conditions

For admission under any of the categories, General or Reserved, as given above, a candidate must be eligible to seek admission. Eligibility shall mean the candidate's possessing the minimum qualifications as laid down in the relevant regulations contained in the Panjab University Calendar, Volume II, 2016 including amendments made therein from time to time and in the Handbook of Information 2019-2020. For such courses admission to which is based wholly or in part on an entrance test/apptitude test, eligibility shall also mean the candidate's having taken the test and qualified it.

4.1 The following are not eligible for admission to M.A. courses in the Faculties of Arts and Languages:

- If a student fails to pass M.A. Part/Semester-I or fails to appear in the examination even though he/she had requisite attendance, he/she be not allowed to seek re-admission in the Department for M.A. Part/Semester-I in the same subject. Such a student can appear in the same examination as a private candidate as prescribed under the University regulations;
- If a student fails to meet the prescribed attendance requirement, and is, therefore, debarred from sitting in the examination, or does not on his/her own violation seek permission to sit in the examination he/she should be deemed to have failed in the examination. Such a student be not allowed to seek re-admission in the same Department;
- If a student fails to earn promotion to the M.A. Part-II or the next semester of M.A. for any of the reasons specified in Paras (a) and (b) above for two successive years in the same or two different Departments, he/she should be debarred from seeking admission in any Department in the Faculties of Arts and Languages for the next two years;
- In order to ensure the implementation of the above conditions, the columns given in the Admission Form, seeking information from the applicant on the course(s) attended by him/her in the preceding three years, must be filled by him/her.

If he/she leaves these columns blank, the Admission Form will be rendered invalid and if he/she makes mis-statement or conceals relevant facts, his/her admission will be cancelled and legal action can be taken against him/her.

5. Inter-Changeability and transfer of seats

- a) In the Reserved categories given at (i) and (ii) under paragraph 3(B), i.e. Scheduled Castes and Scheduled Tribes, the seats shall be regarded as 'interchangeable'. That is to say, if sufficient number of eligible candidates are not available to fill up the seats reserved for Scheduled Tribes, seats may be filled up from among the eligible candidates belonging to the Scheduled Castes, and vice-versa.
- b) The seats in the Reserved Categories (SC/ST/BC/SP/Def/PwD/TV/FF) which remain unfilled shall be transferred to the General Category subject to the condition that the waiting list of each Reserved Category has been exhausted on 09.08.2019 (Friday) or on an earlier date notified in the Schedule of Admission of a specific course. Any seat created in the Reserved Categories because of rounding off fraction shall stand cancelled and shall not be converted to General Category.

Note: The Departments where admission is based on Entrance Test/Aptitude Test, seats in reserved categories be converted in the General Category right from the beginning of admission in case there were no candidate belonging to these categories having qualified the Entrance Test were available.

- c) If a candidate gets admitted under Reserved Category and is also placed on the consolidated waiting list of General Category and gets a General Category seat on merit, the seat shall be offered to him/her (subject to the condition that the candidate of SC/ST/BC/PwD categories fulfill the minimum eligibility requirement of General Category and must not have availed of relaxation in eligibility marks) and his / her Reserved Category seat shall fall vacant and shall be offered in order of merit to the next candidate of the Reserved Category.

6. Admission based on JEE & CAT

- a) The Entrance Test conducted by CBSE (JEE) Mains in 2019 for the following courses : B.E. (Chemical), B.E. (Food Technology), B.E. (Biotechnology), B.E. (Electronics & Communication), B.E. (Computer Science Engineering), B.E. (Information Technology), B.E. (Mechanical), B.E. (Electrical and Electronics) and Five year Integrated Course B.E. with M.B.A.
- b) Admission to M.B.A., M.B.A. (International Business), M.B.A. (Human Resource) & M.B.A. (Entrepreneurship) is based on CAT 2018 and Group Discussion and Personal Interview.
- c) Departments may conduct a test (Aptitude / Entrance) as part of admission process with the prior permission of the competent authority.

7. Preparation of Merit Lists / Normalisation of Marks

Admission to both the (General and Reserved) categories of seats shall be on the basis of merit within each category and the merit list shall be prepared as per these Rules.

The basis for preparation of the provisional merit list shall be as follows:

Marks of other Universities will be normalized to 2400 marks which are 3 years aggregate marks of B.A./B.Sc. (Gen.) of Panjab University. Similarly marks obtained by the candidates in the relevant subject will be normalized to 600 marks which is the total of 3 years aggregate marks of B.A./B.Sc. (Gen.) of elective subjects of Panjab University. The normalization procedure is explained below:-

- (a) The marks obtained by a candidate in B.A./B.Sc. will be normalized on the basis of an aggregate. For example, if a student has scored 495 marks out of total of 900 marks in B.A./B.Sc., his normalized aggregate marks (out of 2400) would be :- $495 \times 2400/900 = 1320$ out of 2400

These marks will be denoted by **X** and called the **Basic Merit Marks**.

- (b) The marks in the relevant subject (i.e., the subject in which the admission is sought) will be normalized by changing the marks allotted to the relevant subject to 600 in order to give advantage of the subject to a candidate. For example, if a candidate has obtained 240 marks out of 300 in the relevant subject, then the normalized marks in the subject would be : $240 \times 600/300 = 480$ out of 600

These may be denoted by **Y**.

Some universities award B.A./B.Sc. degree on the basis of aggregate marks of B.A./B.Sc. 2nd and 3rd years. In that case the aggregate marks and the marks of the relevant subject in which the applicant is seeking admission, will be considered on the basis of marks obtained in B.A./B.Sc. 2nd and 3rd years only for calculation of the basic merit marks and in the relevant subject.

In some cases, there could be students who have not studied the relevant subject, or the study of the subject is too elementary to be equated with the standard of B.A./B.Sc. level of Panjab University in the subject in which they are seeking admission in Post-graduate course. For such category of students **Y** is taken to be zero.

Candidates having passed B.A./B.Sc. from other universities with 4 elective subjects in addition to optional subjects at B.A./B.Sc. level shall not be given any credit under **Y**, i.e. **Y** shall be taken to be zero.

- c) (i) Candidates who have passed B.A./B.Sc./B.Com. with Hons. Either from Panjab University or from any other University would be **given 15% weightage** of the basic merit marks **X** obtained for the purpose of admission in Post-graduate course in the subject in which Honours examination was passed. Similar weightage would be given to candidates who have passed B.A./B.Sc./B.Com. examination according to Hons. Like system specializing in one subject in which the admission is sought for the P.G. course.

For the purpose of admission to LL.M. courses under Panjab University:

Candidates who have passed B.A.LL.B (Hons.), B.Com.LL.B (Hons.), BBA.LL.B. (Hons.) and LL.B. (Hons.) either from Panjab University or from any other University would be given 15% weightage of the basic merit marks, if certificate / DMC/Degree of candidate specify Hons. as per BCI rules.

Explicitly this weightage would be denoted by Z and calculated as follows :

$$Z = X \times 15/100$$

- (ii) Candidates who have passed a Special Degree from another University will be treated at par with B.A. Examination of Panjab University with Honours in the relevant subject provided the B.A. Special Degree is recognized as equivalent to the corresponding B.A. with Honours Degree of Panjab University in the relevant subject.
- (d) Where no test is required for admission, the **final Merit marks** of a candidate would be **X+Y+Z+ other weightages** as prescribed at 12.1 and 12.2. Other weightages as prescribed at 16.1 and 16.2 would be calculated on the basic merit marks **X**.
- (e) The process of calculation of percentile score for admission to B.Sc (Hons.) and B.Pharma courses will be as follows: For the B.Sc. (Hons.) admissions, the final merit should be prepared on the basis of merit consisting of three components (i) CET merit with weightage 75 %, (ii) 10+2 examination merit with weightage 25 %, and (iii) over and above weightage of NCC, NSS, etc.

For preparing the combined merit of CET for the two streams of students with (i) Physics, Chemistry and Mathematics combination and (ii) Physics, Chemistry and Biology combination, the two streams should be evaluated independently. The final merit list for the admission to B.Sc. (Hons.) under the framework of Honours System should be prepared by adding (i) CET percentile score with 75 % weightage, (ii) 10+2 examination marks with 25 % weightage, and (iii) over and above weightage of NCC, NSS, etc. in terms of marks.

The CET percentile score (P) for the qualified candidates from the two streams (i) and (ii) will be calculated separately using the formula

$$P = \left[\frac{N - R}{N} \right] \times 100$$

where R is the rank of the candidate in the merit list of that stream and N is the total number of candidates appeared in that stream. For example, if the number of candidates appearing in a stream (i) is 4000. For a candidate ranking at 485th position in the merit of stream (i), the percentile score of the candidate will be

$$P = \left[\frac{4000 - 485}{4000} \right] \times 100 = 87.875$$

The final combined merit list for the two streams will be based on

Total merit marks = 0.75*P + 0.25*Q + weightages for other activities;

where P is the CET percentile score, Q is the percentage marks obtained in the 10+2 examination. Weightages for activities like NCC, NSS etc. as mentioned in the handbook of information, if any, will be calculated on the qualifying examination (10+2 class) marks. Total merit marks will be calculated up to third decimal place. Any changes in the marks of the qualifying examination (10+2 class) or other weightages in any case will simply change the total merit marks of that student and merit list will be updated accordingly.

8. (a) Promotion Rules for Choice Based Credit System B.Sc. (Honours) under the Framework of Honours School System being run at Panjab University Campus.

- (i) A student shall be promoted to the Semester courses successively, subject to the following conditions :

Class	Credit requirements
For promotion to B.Sc. (Hons.) 2nd year	80% of the total credits in B.Sc. 1st year
For promotion to B.Sc. (Hons.) 3rd year	B.Sc. 1st year pass and 80% of the total credits in B.Sc. 2nd year

- (ii) Students who do not fulfill the promotion criteria mentioned above shall be declared fail in the promotion examination of the academic year concerned. However, they shall have the option to retain the marks in the papers in which they want to retain.
- (iii) If a student has secured an aggregate of minimum 40% marks taking together all the papers in theory examination (including internal assessment/project, wherever applicable) and practical examination separately till the end of third year, i.e. upto the end of the VIth semester, then she/he shall be awarded the degree in which the student has been admitted.

(b) Promotion Rules for M.Sc. under the framework of Honours School System.

- (i) A student obtaining 140 marks out of a total of 156 credits in B.Sc. (Hons.) under the framework of Honours School System is eligible for promotion to M.Sc. under the framework of Honours School System.
- (ii) That under the CBCS obtaining 24 credits in a Generic Elective Course subject in the full B.Sc. (Honours) course shall also be deemed sufficient to satisfy a requirement for admission to M.Sc. course in that subject. However a candidate has to fulfill other requirements as mentioned for respective M.Sc. courses.

9. Admission to M.A. Semester-I on the basis of Master's Degree examination in another subject or in another Faculty: If the eligibility is to be determined on the basis of M.A. Degree, then merit is to be determined on that basis alone. Weightage will not be given for the relevant subject on the basis of marks obtained in Graduation.

10. Compartment Candidates

A candidate who has been placed under compartment in one subject in B.A. Third Year examination of this University shall be allowed to join M.A. First Year (Semester System) class provisionally if he/she fulfils other requirements and provided-(i) that the re-appear is not in the subject in which he /she is seeking admission in M.A.; and (ii) If he/she fails to clear the compartment subject of the B.A. Third Year examination in the next two consecutive chances immediately following the examination in which he/she was placed under compartment, his/her provisional admission to M.A. First Year (First and Second Semesters) examination shall be cancelled.

11. Admission to M.A. Semester III for candidates who have passed their M.A. Semester I & II examination (other than the regular students of Teaching Departments of Panjab University):

The vacant seats in each category shall be filled by the respective Board of Control on merit provided that any candidate so admitted shall have secured marks in Semesters I & II not less than the marks of the last candidate in the merit list of students promoted by the Department from M.A. Semester II to Semester III and the outside candidate (other than the regular student of respective Department) having Reappear/Compartment will not be considered for Admission to M.A. Semester-III.

12.1. Weightages:

The following weightages shall be given, wherever applicable, on the normalized aggregate marks arrived at or on academic weightage determined for qualifying examination for courses covered under the Entrance Test.

- A. 15% Hons. Weightage be given to candidates who have passed B.A./B.Sc. / B.Com with Hons. either from Panjab University or from any other University.
- B. 5% of the marks thus obtained by such candidates as have passed the qualifying examination from Panjab University. **This weightage will not be applicable for admission to such courses where admissions are made only on the basis of competitive/entrance test.**
- C. Up to a maximum of 4% for distinction in any or all of the following co-curricular activities, achieved in any of the 3 years preceding to the year of admission (except for NCC for which the certificate once achieved is for lifetime).

a) N.C.C.

The holders of N.C.C. A, B and C certificates shall be given the weightage in marks as under:

A: 1% B: 2% C: 3%

b) N.S.S.

The accreditation of A, B & C certificate & weightage 1%, 2% & 3% for NSS volunteers.

1. **'A' Certificate** **1% of obtained Marks**
Completed One year (120 hours) and participated in seven day and night camp (one camp).
2. **'B' Certificate** **2% of obtained Marks**
Completed Two years (240 hours) and participated in seven day and night camp (two camps).
3. **'C' Certificate** **3% of obtained Marks**
Completed Three years (360 hours) and participated in seven day and night camp (three camps).

c) Weightages to be given for participation / awards in skill in Teaching Competition (during B.Ed.) at Zonal, Inter Zonal level for admission to Post Graduate courses in Education (M.Ed. / M.A.) as under:

Winner at Inter Zonal	First	Second	Third
	3.5%	3%	2.5%
Winner at Zonal Level	First	Second	Third
	2%	1.5%	1%
Participation at Zonal Level	0.5%		

(ii) B.P.Ed.

a) A person getting any of the first three positions in the Olympic/World Games/ Commonwealth Game/ World Cup Tournaments/ Asian Games.	50 marks
b) A person representing India in the above said games/Tournaments.	40 marks
c) A person representing India in official test matches aboard and within the country	30 marks
d) 1 st position in All India Inter-University/Senior National approved Games/competition conducted by the respective Federations.	20 marks
e) 2 nd position in the above said competitions.	15 marks
f) 3 rd position in the above said competitions.	10 marks
g) 1 st position in the Zonal Inter-University competitions	9 marks
h) 2 nd position in the above said competitions	8 marks
i) 3 rd position in the above said competitions	7 marks
j) 1 st position in the Inter College/State approved Games/ competitions / participation in Inter-University / Senior National Competitions	6 marks
k) 2 nd position in the above said competitions.	5 marks
l) 3 rd position in the above said competitions.	4 marks

Note: Only one highest admissible position will be considered for giving Weightage listed above.

13. Resolving of ties:

In the case of a tie at any stage in the preparation of the merit list, candidates securing equal marks will be bracketed together. Their inter-se-merit will be determined according to the following criteria:

- (i) A candidate getting higher percentage of marks in the qualifying examination shall rank higher in order of merit.
- (ii) That if the marks in qualifying examination are also the same then the candidates obtaining more marks in the immediate lower examination, shall rank higher in order of merit.
- (iii) That if two or more candidates secure equal marks in (i) & (ii) above, the candidate senior in age shall rank higher in the order of merit.

Note: When the provisional lists of candidates (based on merit) are displayed on the Notice Board, the Chairpersons shall mention the fact that this list is subject to change on account of improvement of result of the qualifying examination wherever applicable. The new result must be presented at the time of interview/operating of the waiting list.

14. COUNSELLING:

All the candidates whose names appear on the Provisional Merit List shall have to appear in person, on the notified date(s) of Counselling, before the Board of Control of the subject concerned or a Committee of the Board of Control constituted by the D.U.I/Vice-Chancellor. Physical presence in the counselling is mandatory for all the candidates on the notified dates. All those candidates who attend the counselling are required to mark their attendance in each counselling. Only those candidates who report and mark their attendance on the day(s) of counselling shall be considered for admission during the filling up of vacant seats. The candidates must produce all the relevant certificates (in original) for checking / verification at the time of Counselling, failing which they will not be considered for admission.

The requirement of marking of attendance does not apply to the counsellings of PU-CET (UG) and MDS. This requirement does not apply even to all such counselling(s) which are jointly handled by partnering institutions who will notify their own process of counselling.

15. Preparation of Merit List of Selected Candidates /Waiting List:

After interacting with the candidates in the Counselling and taking into account all the criteria of admission applicable (for instance, the scores, plus weightages, or the addition of the score of Admission/Aptitude Test, Group Discussion, Personal Interview, wherever applicable) each Department/Centre/Joint Admission Cell shall prepare the Merit List of Selected Candidates and Waiting List which will carry the names of waitlisted candidates (category-wise) in order of merit (to be approved by the D.U.I). These lists shall be signed by each member of the Board of Control/Committee of the Board of Control/Joint Admission Cell (approved by the D.U.I.), certifying that these lists have been prepared in order of merit and the relevant rules and regulations as laid down have been followed.

The Department/Centre/Joint Admission Cell shall then send the following lists (in duplicate) for the D.U.I.'s approval:

- i. Provisional Merit List of all candidates category-wise;
- ii. List of Merit List of Selected Candidates recommended for admission (category-wise) in the order of merit and their Admission Forms;

- iii. Waiting List carrying the names of the waitlisted candidates (category-wise) in the order of merit including the names of the candidates who have been listed at the top of the Waiting List as Late Applicants, if any, and the Admission Forms of the Reserved Categories;
- iv. Attendance of all the candidates taken at the time of counselling(s).
- v. The reserved category candidates who have availed relaxation in eligibility marks shall not be included in the general merit list.

If a candidate, whose name is on the Provisional Merit List and is denied admission while a candidate below him is selected, the reasons for admission being denied shall be recorded and such a case shall be brought explicitly to the notice of D.U.I.

16. Admission of candidates whose result is revised as a consequence of re-evaluation or otherwise late declaration of result, can be made only if:

- i. Seat is available;
- ii. Candidate is higher in merit than the candidate in Waiting List;
- iii. The request is made before the last date for late admission with the prior approval of the Vice-Chancellor as already laid down.

The following Rule in the P.U. Cal. Vol. III, 2016 at page 489 will be followed in case of re-evaluation cases:

If as a result of re-evaluation, a candidate passes at the Exam., he/she shall be eligible to seek admission to the next higher class within ten working days of the communication of re-evaluation result to him/her. His/her attendance shall be counted from the date of his/her admission. However, no candidate would be granted admission on the basis of re-evaluation result after 31st December of the academic session. In the case of admission to a course having Semester Exam, the date will be October 15.

In case of ongoing classes, each student whose result of the lower semester/class has not been declared, shall have to seek provisional admission with an undertaking to the effect that his/her admission shall stand cancelled if he/she fails to meet the eligibility requirement(s) for promotion to the next higher semester/class as per the rules and regulations of the course. The date of start of teaching of ongoing classes shall be notified by the Dean of University Instruction and the counting of attendance for the purpose of calculation of shortage of lectures will be made from the above-said notified date of start of teaching. If the candidate, whose result of lower semester/class has not been declared, seeks the provisional admission after the start of teaching, his/her attendance will be counted from the notified date of start of teaching and not from the date on which he/she seeks provisional admission. The candidate after the declaration of result of lower semester/class will have to deposit the due fees within ten days of such declaration in order to get his/her admission confirmed.

(Syndicate Para No. xliii of 30.04.2017)

17. Revision of Merit and placement of applicants:

The requirements of Rule 14 for physical presence and marking of attendance in the counselling(s) will not be applicable to a candidate whose result has been declared late. However, requirements of Rule 17 shall become operative after this, i.e., the candidate will have to mark his/her attendance in the Counselling.

A candidate whose merit is revised consequent upon the late declaration of result after the conclusion of counselling, and his/her revised merit falls among the selected candidates in the category-wise Merit List, his/her name be placed at the top of the Waiting List.

(Syndicate Para 40, dated 12-3-2005)

18. Rejection of incomplete Admission Form:

The Board of Control/Committee of Board of Control/Joint Admission Cell shall reject the Admission Form which it regards as incomplete. Reasons for rejection must be recorded on the Admission Form.

19. Cancellation of Seat/Admission

Admission of all such students who fail to attend at least 33% of the total lectures delivered and practicals held in all the papers during the first 10 working days from the start of teaching work in the course concerned shall be cancelled by the Board of Control/Joint Admission Cell after following the procedure given below :

- a) By the 12th day after the start of classes for a particular course, the names of those students who fail to attend at least 33% of the total lectures / tutorials / practicals etc. shall be put up on the Notice Board and online Notice Board of the Department and also send a copy of the same to the office of the DUI. Within 4 days of the date of such notice, a student who is short of attendance may give in writing the reasons for his absence from the classes.
- b) If a student does not submit an application in writing within the prescribed time as stated above, or the reasons adduced by the student in his application are not found to be sufficient and justified in the opinion of the Board of Control/Joint Admission Cell, his admission shall be cancelled.

- c) All the seats thus falling vacant shall be filled strictly in the order of merit from the waiting list or through subsequent counselling before the expiry of the last date fixed for admissions by the University.
- d) When the admission of the student(s) is cancelled as stated above, the Department shall display on the Notice Board and online Notice Board, the list of the person(s) next in the waiting list and make admissions accordingly.
- e) Approval of cancellation of admission and permission to fill up the cancelled seat(s) to be sought from the DUI

Note: It is obligatory on the part of students to keep in touch with the Department concerned for the possibility of the seats to fall vacant.

20. Admission for late applicant with high merit:

This Rule shall be applicable only to those courses where hardcopy of the Admission Form is to be submitted along with the photocopies of testimonials in the concerned Department and the Admission Form is received after the last date of submission but not later than the date(s) of first counselling. In such a case, Board of Control/Admission Committee/Joint Admission Cell shall admit the late applicant in the General/Reserved/Additional Category (with the prior approval of the DUI/ Vice-Chancellor) but only if his/her merit falls in the merit of the first 25% of the applicants appearing in Merit List of Selected Candidates.

21. Checking of Certificates:

All self-attested copies of the original certificates/testimonials submitted by the candidate alongwith the Admission Form in support of the claims, shall be checked against the originals at the time of Group Discussion/Personnel Interview/Counselling. For the marks obtained, the original certificates shall be ones issued by the University/Board concerned only, and NOT by any Principal of a School/College. In case, a candidate happens to have surrendered the original certificate to an institution/office, for admission or for re-evaluation etc. then the candidate has to produce a certificate to the effect issued by the Institution in which such certificate(s) have been deposited / acknowledgement slip confirming the deposit of original certificate(s) may be considered, after a satisfactory explanation from the candidate in writing. Admissions based on such certificates shall be treated as provisional.

The Character Certificate submitted by a candidate shall be from the Head of the Institution/ University Department last attended irrespective of the gap in studies, if any.

A certificate/undertaking, submitted by the candidate in support of a claim, should be in the format given in the Handbook of Information 2019-2020 for admission purposes. A certificate/undertaking in a format other than the prescribed one shall be rejected.

22. Certificate concerning gap year(s):

Candidates whose career reflects a gap of year(s) between passing of the last examination and the year in which admission is being sought, they are required to furnish, at the time of application, an undertaking to the effect that they were not involved in any offence/unlawful activities during the year(s) of gap. The Board of Control/Joint Admission Committee shall satisfy that, during this gap period, the candidates were not involved in any offence/unlawful activities.

23. Verification of SC/ST Certificates:

The admission of the SC/ST candidates producing the requisite certificates of being SC/ST for admission in various courses at this University be made provisional subject to verification of the certificates from the issuing authority by the Chairperson of the department concerned, as required in the UGC letter circulated by D.R. (Academic/Colleges) vide his Endst. No. 5201-5350/Spl. Cell/SC/ST dated 30-9-1991.

24. Medical check-up:

A candidate selected for admission is required to submit a Medical Certificate of Physical Fitness as per the proformas contained in Handbook of Information 2019-2020/Prospectus released by a Department/Institute/Centre for admission purposes. This certificate is a pre-requisite for the confirmation of the admission. Students should approach the C.M.O.'s Office on the prescribed date(s) only after obtaining admission slip from the Department and after paying the prescribed Medical Fee.

25. In the event of any difference in the interpretation between Handbook of Information & Rules of Admission 2019-2020 or various Prospectuses of admission published separately, the matter shall be referred to D.U.I./V.C. whose decision shall be final.

Further, in preparation of the Merit List if there are cases which are not covered in these rules, the same may be referred with factual details along with the recommendations of the Board of Control for consideration to the D.U.I./V.C whose decision shall be final.

GUIDELINES FOR ADMISSION TO THE RESERVED CATEGORY OF SPORTS

(Candidates are advised to visit website of Sports Department at www.sports.puchd.ac.in)

Five percent seats of the total number of seats in each course are reserved under this category. No benefit on the basis of sports shall be given to the candidates not applying for admission in this category.

1. Each candidate applying for admission in this category shall, along with the Admission Form, will submit following documents to the concerned department and photocopy of one complete set of Admission Form, along with all relevant documents after paging all the documents, will submit in the office of Campus Sports, (Gymnasium Building), P.U. Chandigarh before the last date of submission of form. If the candidate fails to submit the form complete in all respect within stipulated date in the concerned department or in the Campus Sports Department, his candidature will be rejected
 - a) Self-attested photocopy of sports certificates with photograph duly attested by the respective issuing authority / Head of the Institution of last attended / self attested.
 - b) Self attested photocopies of Class 10th and Class 10+2 and Bachelor's detailed marks certificates.
 - c) Undertaking of the sports achievements (**Annexure-I**) and attendance in sports grounds (**Annexure-II**)
 - d) List of players/ competitors of the concerned tournament duly attested by the respective issuing authority or Head of the Institution of last attended.
2. The D.U.I. has the authority to cancel admission at any time, if it is found that the candidate has obtained such admission on the basis of a false certificate or incorrect statement/record.
3. Candidates seeking admission under Sports category will be considered for admission only in the games / events / sports which are included in the Olympic Games / Asian Games / Commonwealth games immediately preceding the year of admission. Along with the games included in the above said tournaments, four games namely Chess, Cricket, Kho-kho and Yoga will also be considered as eligible sports disciplines for admission under reserved category of Sports (**Annexure-III**).
4. Reservation under Sports Category is meant only for those active sports-persons¹ who would participate in the Campus, University, State, National, International level Sports Tournaments. Such students will be considered for admission only if:
 - i. Their achievement in sports relates to their activities in any of three years immediately preceding the year of admission² (relaxable to 4 years in exceptional cases, on merit, for outstanding sportspersons³).
 - ii. They are otherwise also eligible for participation in Inter-College, Inter-University tournaments for at least one year as per Association of Indian Universities rule 2018-19 (<http://www.aiu.ac.in>)
 - iii. The Candidate qualifies in the Sports trials i.e. General Fitness test and Skill & Game Performance Test in the concerned game from **10th to 12th July 2019**. It is essential to qualify the General Fitness Test as per the norms laid in (**Annexure - IV**) for appearing in Skill & Game Performance Test and it is essential to qualify the Skill and Game Performance test to be eligible for verification of original sports certificates for awarding marks. The Sports Merit will be prepared as per **Annexure - V**.
 - iv. No document including undertaking etc. will be accepted after the last date of submission of Admission Form by the Campus Sports Department. However, in case any sports persons earns any achievement up to **30th June, 2019**, he/she may submit supplementary copy of the document to the Campus Sports Department along with additional Undertaking.
 - v. Sports Participation in the same game in two different competitions (irrespective of the event) is essential for the candidates seeking admission under this category within the prescribed period of three years i.e. from **1st July 2016 to 30th June 2019**. The merit for admission in the Sports Category will be purely on the basis of criteria given in Annexure-V. However, the minimum level of sports participation to be considered for supporting certificates will be Inter school / Inter College /Cluster /District/ State Level Participations.
5. A committee constituted by the Vice-Chancellor shall prepare the sports merit of applicants applying under reserved category of Sports by screening the applications, conducting General Fitness Test, Skill & Game Performance Test and verifying the original Merit / Participation Sports Certificates of the applicants as per norms incorporated in **Annexure - V**. Only such applicants will be allowed to appear for the actual sports trials, whose application is found in conformity with the requirement/ qualifications mentioned in the Guidelines by the Campus sports Department. Candidates are to appear for sports trials in proper sports kit with all the original sports certificates and required academic certificates.
6. The Campus Sports Department, Panjab University shall take an undertaking (**Annexure-II**) from the candidates that they will attend the grounds regularly and must have 75% of attendance in the sports ground and would also participate

1 Means a person attending the grounds regularly so as to appear himself for participation in the Inter College and Inter University tournaments. However, his/her age falls within the age group which is eligible for participation in Inter College / Inter University Competition.

2 Preceding three years means from 1st July 2016 to 30th June 2019.

3 Securing first three position in All India Inter University / Senior National Championship / National Games / Participation in International competition at Senior or Junior Level recognized by respective National Federation, Indian Olympic Association / Ministry of Youth Affairs and Sports / International Olympic Committee / BCCI.

in the Inter-College, Inter-University, State, National and International sports tournaments. Their admission would be liable to be cancelled if the terms of the undertaking thus given are not adhered to.

7. The order of precedence in the selection of candidates for admission will be as per Annexure-V.
 - i. Applicant securing higher marks in sports merit will be placed / given higher preference.
 - ii. If there is a tie within the same category, the tie shall be resolved by considering the 'academic merit' i.e. as per admission criteria of the concerned department and even then if there is tie, it will be resolved by the seniority in age i.e. date of birth of the candidate and such tie will be resolved by the concerned Department in which an applicant applied for admission.
8. The inter-se merit of the candidates seeking admission to any course under the reserved category of Sports shall be determined only on the basis of their merit in Sports as per criteria in Annexure-V.
9. It is mandatory to participate actively in all sports competitions, if selected, and at least 75% attendance in Panjab University sports grounds is required to enable to sit in the examination for all the candidates admitted against reserved category of sports. The attendance certificates shall be issued by the Campus Sports Department in favour of each candidate whose attendance in sports grounds is at least 75% and admit card for examination shall be issued by the Chairperson only on the production of such a certificate.
10. When a candidate is required to abstain from the Department for participation in Inter College / Inter University / National / International / State Sports Tournaments, he/she shall give prior information to the Chairperson of the concerned Department.
11. If a candidate admitted under the reserved category of Sports, remains absent from the grounds for regular practice for a continuous period of seven days without leave, his/her names shall be struck off the rolls by the Chairperson of the concerned Department on the recommendation of the Director Physical Education & Sports, Panjab University, Chandigarh.
12. Deficiency of equal numbers of lectures (theory, practical, seminars and tutorials etc.) shall be condoned for sportspersons for attending Coaching Camps and participation in various tournaments i.e. Inter Hostel and Inter Department (Conducted by P.U. Campus Sports), Inter College, Inter District, State, Inter State, Inter University, National and International level tournament.
13. In case a candidate does not attend the grounds for practice or does not participate in the P.U. Campus Sports Activities including Campus Annual Athletic Meet, Inter College Competition, Inter University Tournaments on medical grounds, the Medical Certificate issued only by the University Chief Medical Officer will be accepted.

NOTE: In case a student remains present in the concerned Department for classes but absent in the grounds for sports then his/her Medical Certificate will not be accepted and his/her admission shall liable to be cancelled.
14. In case there is one association or more than one association or federation in any game the sports certificates issued by those State Associations will be considered which are recognized by concerned State Olympic Association and respective National Federation. For Inter state and National level competitions the certificates issued by only those National Federations will be considered which are duly recognized by Indian Olympic Association or Ministry of Youth Affairs and Sport. In case of Cricket, BCCI will be the competent authority. For International level competitions, the certificates issued by those National Federation will be considered which are duly recognized by concerned Country's Olympic Association, such National Olympic Association should be duly recognized by International Olympic Committee.
15. Certificate on Letter head will not be considered in normal course. However, if the certificates are not issued by some sports Organization / Association in a particular game, those cases will be looked after separately by the screening committee on the recommendation of Campus Sports Department.
16. The clause 4 (i) and (ii) will not be applicable for Arjuna Awardee / Rajiv Khel Ratan Awardee / Padam Shree Awardee / Olympians in any game/sports with the condition that if such a candidate is successful in getting admission but barred for participation due to age bar then he/she will coach or groom a team of his expertise for at least five hours a week without seeking any remuneration.
17. The admission of students under reserved category of sports will be provisional until the verification of sports certificates from the concerned issuing authority.
18. No invitational / Prize Money / Ranking tournament will be considered for admission under reserved category of sports. Further, marks will not be given for tournament which are held more than once a year.
19. The sportspersons who have represented in the recognized competitions recognized by Ministry of Youth Affairs and Sports, Olympic Games by International Sports Federation, Commonwealth Games by Commonwealth Games Federation, Asian Games by Olympic Council of Asia, Asian Championships by International Sports Federations, South Asian Federation Games (SAF) by South Asian Sports Council, Paralympic Games by International Paralympic Committee, World University Games by FISU / Asian University Games / Championship by AUSF (Asian University Sports Federation), University games by AIU, National games and Championships by IOA/NSF/MYAS/SGFI, State Level Games by State Sports Association / State Directorate of Education/ School Boards and Inter College by concerned University will only be eligible for admission under reserved category of sports in Panjab University, Chandigarh.

I. FACULTY OF ARTS

DEPARTMENT OF ANCIENT INDIAN HISTORY, CULTURE AND ARCHAEOLOGY

ABOUT THE DEPARTMENT

The Department was established in 1961. Since then it has been actively engaged in both teaching and research. The Department provides practical training to budding archaeologists. The Department has carried out extensive field work through explorations/excavations. The main sites excavated by the Department are Sugh near Jagadhari, Mitathal in Hissar, Mahorana in Sangrur and Pallanpur in Roopnagar. The Department has excellent collection of antiquities in the Museum both for teaching and research. Organizing Seminars and lectures on significant and emerging trends in our discipline is the rich tradition of the Department. The Department is committed to the vision of comprehending past with rationality, objectivity and critical perspective.

FACULTY

Designation	Name	Field of Research Specialization
Associate Professor	Renu Thakur (Chairperson)	Ancient Indian History, Culture & Archaeology
Assistant Professor	Paru Bal Sidhu	Ancient Indian History, Culture & Archaeology

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	46+5 NRI +2 Foreign National	2 Years	Passed one of the following examinations from a recognized University: Bachelor's Degree obtaining at least 45% marks in the subject of Postgraduate course or 50% marks in aggregate. OR B.A. with (Hons.) in the subject of Postgraduate Course or B.Sc. (Hons.) course, OR Master's Degree examination in any other subject, OR B.A./B.Sc. pass with 45% marks in Philosophy / Political Science / Art/ Music/ Modern Indian Language / Geography/Mathematics/History/Sanskrit/Sociology/Public Administration/Psychology/Botany/Economics/Physics/Chemistry/ Geology/Zoology	Based on merit
M.Phil	15	1 Year	See M.Phil/Ph.D Prospectus 2019	
Ph.D	3	3-6 Years	See M.Phil/Ph.D Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLE OF SYLLABI (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

M.A.

Semester-I		Semester-II	
Paper-I	An outline of the History of India from the Earliest Times to <i>circa</i> 700 B.C. (Compulsory)	Paper-IX	An outline of the History of India from <i>circa</i> 700 B.C. to 78 A.D. (Compulsory)
Paper-II	An outline of the History of India from 78 A.D. to <i>circa</i> 300 A.D. (Compulsory)	Paper-X	An outline of the History of India from <i>circa</i> 300 A.D. to 1200 A.D. (Compulsory)
Paper-III	History of India from 650 A.D. to 1207 A.D.	Paper-XI	History of India from 650 A.D. to 1207 A.D.
Paper-IV	South Indian History	Paper-XII	South Indian History

Paper-V	History of Indian Religions from the Earliest Times upto 1200 A.D.	Paper-XIII	History of Indian Religions from the Earliest Times upto 1200 A.D.
Paper-VI	Indian Architecture from Indus Valley to circa 850 A.D.	Paper-XIV	Indian Temple Architecture upto circa 1250 AD
Paper-VII	Indian Sculpture	Paper-XV	Indian Sculpture
Paper-VIII	Iconography	Paper-XVI	Iconography
Semester-III		Semester-IV	
Group A	Archaeology	Group A	Archaeology
Paper-I	Prehistoric Archaeology	Paper-III	Protohistoric Archaeology
Paper-II	Archaeological Methods, Techniques and Early Historic Archaeology	Paper-IV	Techniques of Archaeological Excavation, Recording and Early Historic Archaeology
Group-B	Epigraphy and Numismatics	Group-B	Epigraphy and Numismatics
Paper-I	Palaeography & Epigraphy	Paper-III	Palaeography & Epigraphy
Paper-II	Indian Numismatics	Paper-IV	Numismatics
Group-C	Greater India	Group-C	Greater India
Paper-I	Central Asia and China	Paper-III	Central Asia and Tibet
Paper-II	Burma, Thailand and Indonesia	Paper-IV	Champa and Cambodia
Group-D		Group-D	
Paper-I	Social Life and Institutions in Ancient India	Paper-III	Economic Life and Institutions in Ancient India
Paper-II	Political Ideas and Institutions in Ancient India	Paper-IV	Political Ideas and Institutions in Ancient India
Group-E	History of Literature	Group-E	History of Literature
Paper-I	Pali and Prakrit Literature	Paper-III	Pali and Prakrit Literature
Paper-II	History of Sanskrit Literature	Paper-IV	History of Sanskrit Literature
Group-F	Ancient World	Group-F	Ancient World
Paper-I	Afro-Asian Civilization	Paper-III	Afro-Asian Civilization
Paper-II	Greek Civilization	Paper-IV	Roman Civilization

Note : Paper No. III, IV, V & VIII (Semester I), XI, XII, XIII & XVI (Semester II) and Group C, D, E & F (Semester III, IV) are kept in abeyance for the session 2019-2020.

The students study four papers in each semester of M.A. I and two listed groups in each semester of M.A. II.

THRUST AREAS: The main focus of the department is on the History and Culture of ancient India with special reference to archaeology, numismatics, epigraphy, art and architecture. The department also concentrates on the history of social, political and economic Institutions.

PLACEMENTS: The Placement Cell of the department endeavors to offer placement services to the students.

ALUMNI RELATIONS: The department remains in touch with old students by inviting them in get together where they share their experiences and give valuable inputs for the future endeavours of the department.

CENTRE FOR SOCIAL WORK (UNIVERSITY INSTITUTE OF EMERGING AREAS IN SOCIAL SCIENCES)

ABOUT THE CENTRE

Social Sciences have moved from pure theoretical accumulation of knowledge towards its application, especially with an aim to minimize human misery and to promote the project of human development by developing appropriate strategies at the grass-roots level. Social Work is one such discipline that has evolved out of such a realization within the realm of social sciences that caters to the socially marginalized, poor, deprived and the disadvantaged groups through the experts trained for this purpose. Imparting training in Social Work has also been necessitated by the growing need for partnerships between the State, Civil society and private voluntary organizations in an effort to bring all sections of society under the ambit of development. The Panjab University started the Master of Social Work (M.S.W.) degree programme (2 years, 4 Semesters) in

2007. It combines education and practice for preparing the postgraduates to work with individuals, families, groups, and communities in a variety of human service settings. The M.S.W. programme intends to instill in its students, a commitment to improve social conditions, address social problems and raise their voice against social injustice. The Centre is housed in the building of Emerging Areas, near Student Centre and behind the Department of Botany, Panjab University, Chandigarh. There is a dress code for the formal functions and field work forms a mandatory part of the programme.

FACULTY

Designation	Name	Field of Research Specialization
Associate Professor	Monica Munjial Singh (Chairperson)	Medical and Psychiatric Social Work
Assistant Professor	Gaurav Gaur	Youth and Community Health
Field Supervisor	Prashant Sharma	Field Work

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
Master in Social Work	33+4NRI +2 Foreign National	2 Years	Passed one of the following examinations from a recognized University: A Bachelor's degree obtaining at least 45% marks in the subject of Social Work or 50% in aggregate, OR Bachelor's degree in any faculty obtaining atleast 50% marks, OR B.A. with (Hons.) in Social Work OR B.Sc. (Hons.), OR Master's degree examination in any other subject.	Based on PU-CET (PG) Academics: 40% PU-CET (PG): 25% Group Discussion : 15% Personal Interview: 20%
Certificate course in "Social work & field interventions"	10+2 in-service	6 months	Graduate in any discipline with atleast 50% marks in aggregate or marks in any discipline with 50% marks in aggregate	Based on Merit Academics: 65% Group Discussion : 15% Personal Interview: 20%
Ph.D.	Subject to availability	3-6 Years	See M.Phil./Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLE OF SYLLABI (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>) Proposed Syllabi

MASTERS OF SOCIAL WORK (MSW)

Semester-I		Semester-II	
CSW 101	Social Work Profession : Evolution and Contemporary Ideologies	CSW 201	Social Case Work
CSW 102	Research Methods in Social Work	CSW 202	Social Group Work
CSW 103	Sociology for Social Work	CSW 203	Community Organization and Development
FSW 104	Understanding Communities	CSW 204	Social Work Practice
*	Concurrent Field Work Practicum	*	Concurrent Field Work Practicum
Semester-III (Any Four Subjects)**		Semester-IV (Any Four Subjects)**	
SWP 301	Gender and Family	SWP 401	Child and Youth Development
SWP 302	Aging and Social Work	SWP 402	Poverty, Slums and Urban Development
SWP 303	Disaster Management and Social Work	SWP 403	Healthcare and Social Work
SWP 304	Human Resource Management and Labour Welfare	SWP 404	Persons with Disability and Social Work
SWP 305	Statistics in Social Work	SWP 405	Population and Environment
*	Concurrent Field Work Practicum	*	Concurrent Field Work Practicum

** Optional papers will be offered subject to availability of the faculty

* Concurrent Field Work Practicum also includes: Rural Camp (One Week), Internship (Four Weeks after 2nd Semester), Block Placement (Six Weeks after 4th Semester)

Certificate course in "Social work and field interventions"

Paper I	Social Work Theory	Paper II	Field Interventions in Social Work
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THRUST AREAS: The discipline of Social Work is aimed at catering to the socially marginalized people in need and deprived poor and the disadvantaged groups. It is a Professional course providing inputs towards partnerships between the State, Civil society and the Non-governmental and private sectors. This is an effort to bring all sections of society under the ambit of development. The mission is that our students shall be job creators and not only job seekers. The course has offered specialization in the subject like Aging and Social Work, Indian Rural Communities and Change, Child and Youth Development, Persons with Disability and Social Work and Community Health with a compulsory component of field work of two days in a week, thus providing an enormous exposure to students about the structure and functioning governmental, non-governmental organizations, institutes and communities in rural, urban and slum set ups.

PLACEMENTS: The Placement Cell of the department endeavors to offer placement services to the students.

ALUMNI RELATIONS: The department remains in touch with old students by inviting them in get together where they share their experiences.

CENTRE FOR POLICE ADMINISTRATION (UNIVERSITY INSTITUTE OF EMERGING AREAS IN SOCIAL SCIENCES)

ABOUT THE CENTRE

The Course on Police Administration was started in the Centre for Emerging Areas in Social Sciences, Panjab University from the Academic Session 2007-08 and was upgraded to the status of an Independent Centre for Police Administration as part of the University Institute of Emerging Areas in Social Sciences (UIEASS) in 2010. The Programmes in Police Administration have been conceived with a view to:

- (i) provide quality human resources with relevant knowledge on Police issues;
- (ii) fulfill the ever increasing requirements of security agencies;
- (iii) undertake research on various aspects of Policing for generating knowledge and suggesting improvements to Police establishments;
- (iv) conduct Training Programmes for the Police Personnel to sensitize them about the recent developments and upgrade their skills for improving their productivity; and
- (v) act as a bridge between Police and people for improving the image of Police among the citizens.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Anil Monga	New Public Management; E-Governance; Research Methodology; and Police Administration
Assistant Professor	Kuldeep Singh (Chairperson)	E- Governance; Police Personnel Administration; Research Methodology; Criminology; Police Procedure and Investigation Techniques; and Indian Political Administration.

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	33+6NRI+10** +2 Foreign National	2 years	Passed one of the following examinations from a recognized University: Bachelor's Degree obtaining at least 45% marks in any of the social sciences disciplines or Bachelor's Degree with 50% marks in any discipline or M.A. degree examination in any other of the Social Science disciplines.	Based on Aptitude Test A. Academics: 50% B. Written test: 40% * Interview: 10% ** *(Minimum marks to qualify in the written test is 50%) ** (Attendance in the Interview is must to qualify the Aptitude test)
M. Phil.	6+4**	1 year	See M. Phil. /Ph.D. Prospectus 2019	
Ph. D.	Subject to availability	3-6 years	See M. Phil. /Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates.

** (reserved for nominated /In-service police personnel. If the seats reserved for Nominated/In-service police personnel remain vacant due to one reason or the other, the same would be converted into General Category as per rules). Nominated/In-service candidate should be a regular employee of the Police Department/Paramilitary forces etc. and need not appear in Entrance Test. Their merit will be calculated on the basis of qualifying examination as per P.U. rules.

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

M.A.

Semester-I	Semester-II
Paper-1 Police Administration Paper-2 Theory of Public Administration Paper-3 Organization Behaviour and Police Administration Paper-4 Police Procedures and Investigation Techniques	The candidates have to select four out of the following options: Paper-1 Correctional Administration Paper-2 Criminology Paper-3 Research Methodology Paper-4 Sociology and Police Administration Paper-5 Police Psychology
Semester-III	Semester-IV
Paper-1 Law and Police Administration – I Paper-2 Police Personnel Administration Paper-3 Forensic Science and Police Administration Paper-4 Project Report or Terrorism	The candidates have to select four out of the following options: Paper-1 Law and Police Administration – II Paper-2 Forensic Medicine and Police Administration Paper-3 International Law and Police Administration Paper-4 Indian Political and Administrative Systems Paper-5 Private Security Management

THRUST AREAS: Thrust Areas of Teaching and Research of the Centre for Police Administration are Police Administration; Crime in India and its Various Forms; Stress Amongst Police Personnel; Correctional Administration; Juvenile Delinquency; Police Reforms; Traffic Management; Training of Police Personnel; Police- Public Interface; Law and Police Administration; and Forensic Science.

CENTRE FOR HUMAN RIGHTS & DUTIES (UNIVERSITY INSTITUTE OF EMERGING AREAS IN SOCIAL SCIENCES)

ABOUT THE CENTRE

The Centre imparts Human Rights education as an independent and integrated social science discipline. It is dedicated to build empathetic, vigilant and responsible students. Its inception dates back to 2007, as a Master's Degree Course in human rights. It was upgraded into an independent Centre in 2010 and value addition of Ph.D course curriculum was also made. The Centre offers opportunities for theoretical and applied learning for its students. Its field based research component equips students with grass roots experience during postgraduate study. The students are enrolled on the basis of merit determined by performance both in the aptitude test and specified merit in the previous qualifying examination. The Centre holds the distinction of having successfully organized an international conference on human rights in 2010 with Oxford Brookes University as an academic partner of Panjab University. The Centre facilitates students' internship with international, national and state level human rights bodies, NGOs and other agencies. Within India, students have interned with the Punjab State Human Rights Commission, State Information Commission, Punjab, Chandigarh Commission for the Protection of Child Rights and the National Human Rights Commission with some of the student having interned at more than one statutory bodies. The international internship endeavour of the Centre has extended to Human Rights Commission, Nepal; Study programme at the University of Fraser Valley, Canada and International Institute of Human Rights, Strasbourg, France. Beginning with 2009, till June 2018 eleven postgraduate students of the Centre qualified for internship at Strasbourg on the basis of centralized screening process. Building on its internationalizing human rights ventures, the Centre collaborated with the Western Sydney University to successfully organize Mobility Programmes on 'Understanding Diversity: Identity, Advocacy for Well Being' and 'Promoting Gender Justice through Engagement, Education and Empowerment' under the New Colombo Plan during November 1st to November 15th, 2016 and November 13th to December 3rd, 2018. Eminent scholars from Seattle, New York and Germany strengthened the international arm of the Centre, while contribution of scholars from IIT Delhi, IGNOU, State Legal Services Authority, Chandigarh and AIDS Control Society Chandigarh enriched the interdisciplinary thrust. Active involvement of students and faculty in the 8th Social Science Congress and a workshop on Good Governance, Development and Human Rights and Regional Workshop on Elimination of Bonded Labour System sponsored by National Human Rights Commission further sharpened the theoretical and applied focus of learning at the Centre. Periodic visits organized by the Centre to the Juvenile Justice Home, SOREM, CCPCR, Self Help Group for women's empowerment, Saksham Trust for transgender rights, trekking ventures in Naveli and Green Village, Garhwal enhance its socio-cultural and environmental relevance. Publication of research papers in renowned journals and presentation of research papers at national and international seminars, keeps the Centre in forefront of research contribution.

FACULTY

Designation	Name	Field of Research Specialization
Assistant Professors	Namita Gupta (Chairperson) Upneet Kaur Mangat	Environment & Human Rights Gender & Human Rights

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	35+4 NRI +2 Foreign National	2 Years	Passed one of the following examinations from a recognized University: Bachelor's degree obtaining at least 45% marks in the subject of Human Rights & Duties or 50% marks in the aggregate in any of the social science discipline OR B.A. with (Hons) in Human Rights & Duties, Police Administration, Social Work OR B.Sc. (Hons.) OR Master's Degree examination in any other subject OR Post Graduate Diploma in the subject of Human Rights with 50% Marks OR B.A. Pass obtaining at least 45% marks in Political Science OR Economics OR Sociology OR Psychology OR Philosophy OR History OR Women's Studies OR Police Administration, OR Public Administration OR Social Work OR Gandhian and Peace Studies	Based on Aptitude Test** a. Academics : 50 Marks b. Written Test(WT) : 35 Marks c. Group Discussion(GD): 07 Marks d. Personal Interview(PI): 08 Marks (Qualifying marks in WT,GD,PI = 17.5)
M.Phil	10	1 Year	See M.Phil/Ph.D. Prospectus 2019	
Ph.D	Subject to availability	3-6 Years	See M.Phil/Ph.D. Prospectus 2019	
*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates				
**Duration of Written Test: 40 Minutes, Number of MCQs: 50, No negative marking. Medium of exam shall be English. Aptitude for Human Rights will be tested. Candidates have to appear in all the three components of Test conducted by the Centre.				

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

M.A.

Semester I		Semester II	
Core Paper-1	Historical, Theoretical and Philosophical Perspectives of Human Rights and Duties	Core Paper-5	Development, Globalization and Human Rights
Core Paper-2	UN Human Rights System	Core Paper-6	Women and Human Rights
Core Paper-3	Human Rights & Duties in India	Core Paper-7	Environment, Human Rights & Duties
Core Paper-4	Children and Human Rights	Core Paper-8	Civil Society and Human Rights Movements in India
Semester-III		Semester-IV	
Core Paper-9	Science and Technology, Human Rights and Duties	Core Paper-13	Rights of the Displaced People and their Rehabilitation
Core Paper-10	Human Rights and Duties for the Aged and the Differently abled	Core Paper-14	Human Rights and Criminal Justice System
Core Paper-11	Research Methods	Core Paper-15	Fieldwork Based Dissertation
Core Paper 12	-opt any ONE of the following Options: I (a) - Labour Welfare, Human Rights and Duties I (b) - International Humanitarian and Refugee Laws I (c) - Disadvantaged Sections/Groups and Human Rights & Duties	Core Paper 16	- opt any ONE of the following Options: II (a) - Minorities, Human Rights and Duties II (b) - Human Rights Advocacy Skills II (c) - Peoples' Right to Self-Determination

THRUST AREAS: Rights based approach to development; participative and inclusive democracy; good governance and human rights cutting across multiple socio cultural and politico economic issues.

PLACEMENTS: The students of the Centre have been placed at the United Nations High Commissioner for Refugees (UNHCR), Institute for Development Communication (IDC), Working Group on Human Rights (WGHR), Haryana Civil Services (HCS), Guru Gobind Singh Khalsa College- Mahilpur, Punjab Police and S.O.S. Delhi.

ALUMNI RELATIONS: The Centre organized Alumni meet on the Foundation Day of Panjab University. In order to strengthen its alumni base, the Centre is also in touch with its Alumni within and outside India. Apart from the positions mentioned above the Alumni of the Centre have made an effective entry into the cine world, Civil Society organizations such as Jan Jagriti and have also been associated Jan Vikas Ahmadabad for undertaking activities for Rehnuma Project for vulnerable groups and Centre for Social Justice Ahmadabad.

DEPARTMENT OF DEFENCE AND NATIONAL SECURITY STUDIES

ABOUT THE DEPARTMENT

Established in 2001, the department offers Master's course in Defence & Strategic Studies including research degree programmes. The admission in Master's course is open to all the students from various streams, but subject weightage is given to the applicants who have studied Defence Studies/Military Science at graduation level. The department also offers M.Phil. course in Defence & Strategic Studies to the defence service officers. The course which was offered to serving Defence officers posted at HQ Army Training Command, Shimla and its 29 training establishments has also been extended to serving Defence officers at Higher command Course, Army War College, Mhow after signing a MoU with the University.

Additionally, the department runs two One-Year P.G. Diploma Courses i.e. Post Graduate Diploma in Disaster Management & Security and Homeland Security.

In pursuant to the academic recommendation of the expert committee set up by MHRD and later UGC expert committee constituted thereafter in 2013, department was adjudged as one of the best departments. The Department/University was recommended for financial assistance besides proposal for upgradation.

The department holds special lectures including Seminars & Conferences to provide additional exposure to the students. The department also has a Defence Studies Society, which organizes various activities including educational trips/tours to defence establishments in the country.

FACULTY

Particulars	Name	Field of Research Specialization
Professor	Rakesh Datta	International/National Security
Assistant Professor	Jaskaran Singh Waraich (Chairman)	Maritime Security/Area study China/Pakistan
Guest Faculty	Meena Dutta	Conflict Resolution Indian Ocean /National
	Shaveri Himalyan	Security/Disaster Management
	Priya	Energy Security, West Asia
	Harmanpreet Singh	Pakistan/South East Asia and Disaster Management

COURSES OFFERED

Course	Seats	Duration	Eligibility*	Admission
M.A.	34+3 NRI +2 Foreign National	2 years	Passed one of the following examinations from a recognized university: Bachelor's degree obtaining at least 45% marks in the subject of Post Graduate course (Defence and Strategic Studies) or 50% marks in the aggregate or Bachelor's degree in any stream with 50% marks in the Aggregate or B.A. (Hons) in the subject of Postgraduate course (Defence and Strategic) or Masters Degree examination in any of the subject.	Based on Merit

	5**		Candidate belonging to the Armed Forces i.e. Army, Navy & Air Force, Central Armed Police forces (CAPF) after having put in five years of regular service provided they have passed the graduation examination in any discipline.	
P.G. Diploma in Disaster Management & Security	34+3NRI+2 Foreign National	1 year	Bachelor's degree in any discipline with at least 50% marks B.A. /B.Sc (Pass) in full subjects, obtaining at least 45% marks in the elective subjects (Defence Studies) of the Post Graduate course.	Based on Merit
P.G. Diploma in Homeland Security	10+3NRI+1 Foreign National	1 year	Bachelor's degree in any discipline with at least 50% marks B.A. /B.Sc (Pass) in full subjects, obtaining at least 45% marks in the elective subjects (Defence Studies) of the Post Graduate course.	Based on Merit
	15**	1 year	Candidate belonging to the Armed Forces i.e. Army, Navy & Air Force, Central Armed Police forces (CAPF) provided they have passed the graduation examination in any discipline.	
M.Phil	20 for Defence Officers at Army Training Command, Shimla and its Establishments 11 seats for officers from the armed forces outside ARTRAC 120 seats for serving Defence officers at Higher command Course, Army War College, Mhow	1 year	Should be a commissioned officer of Indian Defence Forces (Army, Navy & Air Force) So as to have the requisite experience in Defence Studies. Should have Master's degree with 55% marks.	
	5 seats are open for Defence Studies students	1 year	See M.Phil/Ph.D Prospectus 2019	
Ph.D.	Subject to availability of seats	3-6 years	See M.Phil/Ph.D Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PWd candidates

** Seats reserved for serving defence persons

Title of the syllabi: (Detailed course curriculum is available at (<http://puhd.ac.in/syllabus.php?qstrfacid=1>))

M.A.

Semester-I		Semester-II	
Paper-1	National Security Conceptual Aspect	Paper-5	Defence Aspects of International Relations
Paper-2	Concept and Theories of International Relations	Paper-6	Strategic Aspects of India's Security
Paper-3	Art of War	Paper-7	Modern Strategic Thought
Paper-4	Armed Forces and Society	Paper-8	Research Methodology

Semester-III		Semester-IV	
Paper-1	Science, Technology & National security (Compulsory)	Paper-1	Regional Security and Cooperation in South Asia (Compulsory)
Paper-2	Area Study China (Compulsory)	Paper-2	Defence Economics (Compulsory)
Paper-3	Dissertation (Compulsory)	Paper-3	Area Study Pakistan (Compulsory)
Paper-4	Indian Military History (Optional)	Paper-4	Major Conflicts in Post Cold War Era (Optional)
Paper-5	Indian Ocean and India's Maritime Security (Optional)	Paper-5	Non-Traditional Dimensions of India's Security (Optional)
Paper-6	Major Conflicts during Cold War Era (Optional)	Paper-6	Internal Security Challenges of India (Optional)
P.G. Diploma in Disaster Management			
Semester-I		Semester-II	
Paper-1	Disaster Management - Conceptual Framework	Paper-1	3Disaster Management Structure - Coordination and Response
Paper-2	Disaster Management - Relief and Rehabilitation	Paper-2	War and Disaster Management
Paper-3	Project report based on field study +Viva -voce Examination	Paper-3	Risk Factor, Crisis Management and the Role of NGOs
P.G. Diploma in Homeland Security			
Semester-I		Semester-II	
Paper -1	Concept of Homeland Security	Paper-1	Intelligence and Internal Security Mechanism, Role of Armed Forces in Homeland Security
Paper -2	Political, Social, Economic & Geographical Aspects of Homeland Security	Paper-2	State, terrorism and counter terrorism
Paper -3	Project Report based on Field Study+ Viva -voce examination	Paper-3	Human Rights, Legal Framework and Psychological aspect of Homeland Security

THRUST AREAS: To create awareness regarding national / international strategic and security, related issues amongst the students and to carry out research work on various emerging security dimensions.

PLACEMENTS: To facilitate placement of the students the syllabus of the subject is so oriented that it prepares them to sit for various competitive examination incl. UGC/NET, Civil services besides the subject has a lot of scope for teaching and research in various Universities /Colleges and think-tanks focusing on various security and strategic dimensions.

The department has a placement cell which in its endeavor also keep organizing interaction of students with the experts from various fields for the benefit of their placement.

It may be further mentioned that the several students of this department have been placed in the Armed Forces, Para-Military Forces and the various private and public sector undertakings.

ALUMNI RELATIONS: The department is in existence for the last eighteen years with rich preserve of the students who have passed out from this department under various courses. The department is in touch with its alumni which includes even the senior serving defence personnel. Most of the students had been attending alumni meet organized by the Alumni Association of the University. It is further intended to hold alumni meet in the department in near future.

DEPARTMENT OF ECONOMICS

ABOUT THE DEPARTMENT

After the partition of the country, the teaching of Economics in this University was centred in Government College, Hoshiarpur under the guidance of Professor K. K. Dewett. The Department was shifted to the Chandigarh Campus in 1958 and it continues to be a leading centre of teaching, research and learning of economics in the region and has been awarded UGC Special Assistance Programme DRS-II. The Department has had the honour of having produced many well-known economists like Dr. Manmohan Singh (former Prime Minister of India), Late Dr. G.K. Chadha (former President of South Asian University, New Delhi and former Vice-Chancellor, Jawaharlal Nehru University, New Delhi). Many distinguished economists have served as faculty members in the past. Chair Professorships are vital for maintaining the highest quality faculty as they enrich the academic environment and create opportunities for academic collaboration, thereby attracting the brightest scholars from different parts of the country. In view of this, Panjab University offers following chair to the

distinguished Indian economists:

Prof. Yoginder K. Alagh (noted Economist and the Chancellor of the Central University of Gujarat) has been nominated as Chair Professor of Dr. Manmohan Singh Chair.

A number of international students from Iran, Afghanistan, Thailand, etc. have been studying at both Under-graduate and Post-graduate levels, which reflects student diversity in the Department. The Department has Memorandum of Understanding (MOU) with the University of Wurzburg, Germany under which student exchange, faculty exchange and collaborative work is being undertaken.

FACULTY

Designation	Name	Field of Research Specialization
Prof. Emeritus	H.S.Shergill	Agricultural Economics, Macro Economics
Professors	S. P. Padhi (Chairperson) Upinder Sawhney	Industrial Economics, Macro Economics, Economic Development Public Policy, Contemporary Issues in Indian Economy
Associate Professor	Indu Bala	Macro Economic Theory, Money and Banking
Assistant Professors	Amrita SherGill Smita Sharma Harpreet Singh Nitin Arora Paramjit Singh Meenu	Micro Economics, Econometrics, Services Sector Public Finance , Development Economics, Human Recourse Development Economics of Discrimination, Socio-Economic Issues of Development, Economics of Agriculture Macro Econometrics, Frontier Techniques and Industrial Economics Development Economics, Macro Economics Indian Economy, Quantitative Methods, International Economics
Prof. Re-employed	Gurmail Singh (on leave)	Agricultural Economics, Development Economics, Econometrics, Health Economics

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.A.(Hons.) Economics	29+4NRI +1 Foreign National	3 Years	Passed +2 examination under the 10+2+3 system of education from a recognized Board with at least 60% marks OR any other examination, recognized by the Syndicate as equivalent thereto.	Based on merit**
M.A. (Hons. School)	On-going course	2 years	Students who are already enrolled in the course during the session 2018-19.	
M.A.	80+5NRI +4 Foreign National	2 years	(i) The candidate must have passed B.A. with Honours in Economics, OR B.A. with Economics as an elective subject with 50% marks in aggregate. (ii) Candidate having reappear or compartment at the time of first counseling is not eligible for admission in the course even though he/she clears the reappear or compartment by the time of subsequent round in counseling.	Based on PU-CET(PG) Entrance Test: 100%
M.Phil.	8+2 NRI	1 Year	See M.Phil./Ph.D. Prospectus 2019	
Ph.D.	5	3-6 Years	See M.Phil./Ph.D. Prospectus 2019	

*a. 5% concession is admissible in the eligibility marks to SC/ST/BC/PwD candidates.

b. Given the quantitative requirements of the Program, only who have passed mathematics at the class XII.

c. The candidate must not be above 20 years of age as on 1st August of the year in which admission is sought to the First Semester (22 years in the case of SC/ST)& 25 years for Pwd candidates.

** (i) The merit will be calculated on the basis of the marks secured in best five subject, which must include Mathematics & English.

(ii) 2% additional weightage of marks obtained at (i) above will be given to students who have studied Economics at +2 level.

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

B.A. (Hons.) Economics (Medium of Instructions and Examination will be English only).

Semester-I (under CBCS)	Semester-II (under CBCS)
C1 Introductory Microeconomics C2 Mathematical Methods for Economics-I AECC1 (AECC)-I# (Environment Studies) GE1 Generic Elective (GE) Course-I* GE2 Generic Elective (GE) Course-II*	C3 Introductory Macroeconomics C4 Mathematical Methods for Economics-II AECC2 (AECC)-II# (English Communication) GE3 Generic Elective (GE) Course-III* GE4 Generic Elective (GE) Course-IV*
Semester-III (under CBCS)	Semester-IV (under CBCS)
C5 Intermediate Microeconomics-I C6 Intermediate Macroeconomics-I C7 Statistical Methods for Economics SEC1 (SEC)-I: Data Sources-I GE5 Generic Elective (GE) Course-V*	C8 Intermediate Microeconomics-II C9 Intermediate Macroeconomics-II C10 Introductory Econometrics SEC2 (SEC)-II: Data Sources-II GE6 Generic Elective (GE) Course-VI
(Note: # AECC-1&2 are centralized by the University. *GE subjects are to be selected by the students from the pool of GE subjects offered by the various Departments of the University (www.cbcs.puchd.ac.in).	
Semester-V (under CBCS)	Semester-VI (under CBCS)
C11 Indian Economy -I C12 Development Economics-I DSE1 Economics of Public Finance DSE2 International Economics	C13 Indian Economy -II C14 Development Economics-II DSE3 History of Economic Thought DSE4 Economics of Industry
M.A. (Hons. School in Economics) for on-going course	
Semester-III	Semester-IV
No formal teaching would be offered in the Department in this semester. However, under the overall supervision of the Department, the students would be attached to one or the other Public/Private organization in her/his majoring area so as to get on the job training and work experience. This opportunity would also be used to test the candidate's problem solving abilities as well. Each student would be required to submit a Project Report on the topic/theme assigned by the host organization. The evaluation of the same, however, would be the prerogative of the teacher(s) in-charge of the field.	401 Advanced Development Economics 402 Advanced Agricultural Economics 403 International Trade and Trading System 404 Law and Economics
M.A.	
Semester-I	Semester-II
All compulsory papers	All compulsory papers
101 Micro Economics-I 102 Macro Economics-I 103 Quantitative Methods-I 104 International Economics	201 Micro Economics-II 202 Macro Economics-II 203 Quantitative Methods-II 204 Public Finance
Semester-III	Semester-IV
There will be two compulsory papers:	There will be two compulsory papers :
301 Economics of Growth and Development-I 302 Indian Economic Issues-I	401 Economics of Growth and Development-II 402 Indian Economic Issues-II

303 & 304	Any two of the following options for Papers: (i) Economics of Agriculture-I (ii) Economics of Industry-I (iii) Environmental Economics (iv) History of Economic Thought (v) Econometrics-I (vi) Mathematical Economics-I (vii) Economics of Population	403 & 404	Any two of the following options for Papers: (i) Economics of Agriculture-II (ii) Economics of Industry-II (iii) Research Methods (iv) Public Policy (v) Econometrics-II (vi) Mathematical Economics-II (vii) Economics of Money and Banking
<p>Note: The students who opt for Economics of Agriculture-I/Economics of Industry-I/Econometrics-I/Mathematical Economics-I in M.A. Semester- III shall have to opt for Economics of Agriculture-II/Economics of Industry-II/Econometrics-II/Mathematical Economics-II necessary in M.A. Semester-IV. However, no one can opt for Economics of Agriculture-II/Economics of Industry-II/Mathematical Economics-II in M.A. Semester-IV without having studied Economics of Agriculture-I/Economics of Industry-I/Econometrics-I/Mathematical Economics-I in M.A. Semester-III.</p>			

THRUST AREAS: Public Policy, Agricultural Economics, Industrial Economics, International Economics, Development Economics and Money and Banking.

PLACEMENTS: The Department has a Placement Cell in place. Our students are placed in consultancies, Think Tanks, Research Institutes besides Academics and Civil Services.

ALUMNI RELATIONS: Department is running an Alumni Cell.

PARTMENT OF GANDHIAN AND PEACE STUDIES

ABOUT THE DEPARTMENT

The Department was established in 1965. At present the teaching work is carried out on the premises of the Department of Gandhian and Peace Studies. The library of the Department is housed in the Gandhi Bhawan, so are the research scholars' work tables. The seminars & special lectures are held in the seminar room of the Department & auditorium of the Gandhi Bhawan. The Department started M.Phil Programme in 1978 and M.A. in Gandhian and Peace Studies in 1984-85. The Major activity of the Department besides teaching, is to encourage research on various aspects of Mahatma Gandhi's Life, Philosophy & Work and allied fields. Our courses reflect the inter-disciplinary approach and that is why it attracts a large number of researchers from abroad. Further, a MoU has also been signed between the Panjab University and Fayetteville State University, North Carolina at 1200 Murchison Road, Fayetteville, NC 28301(USA) and in that from January to April on every Tuesday/Thursday, the Department offers a Global Class via online internet through synchronous video/audio tools with active student engagement in the learning process and provision of exchange programme also from both sides of teachers and students.

FACULTY

Designation	Name	Field of Research Specialization
Assistant Professors	Manish Sharma	Non-violence, Peace Studies and Conflict Resolution Life, Work and thought of Mahatma Gandhi Research Methodology, Panchayati Raj and Rural Development
	Ashu Pasricha (Chairperson)	Gandhian Thought, Non-violence, Peace Studies and Conflict Resolution, Human Resource Development, Disaster Management, Research Methodology, Rural Development and Panchayati Raj

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	40+4 NRI +2 Foreign National	2 Years	Passed one of the following examinations from a recognized University: Bachelor's degree in any stream with 50% marks in the aggregate OR Bachelor's degree obtaining 45% marks in the subject of Gandhian Studies or 50% marks in the aggregate. OR B.A. (Hons) in the subject of Gandhian Studies or B.Sc. (Hons.) Course OR Master's degree examination in any other	Based on Aptitude Test Academics: 60%** Aptitude Test: 40%* (25 Written Test + 15 Interview)

			subject OR B.A. Pass obtaining at least 45% marks in Gandhian & Peace Studies, History, Political Science, Economics, Philosophy, Psychology, Public Administration, Geography, Sociology, Ancient Indian History-Culture & Archeology, Women Studies, Human Rights & Duties, Defence Studies, Social Work, Police Administration	
M. Phil.	10	1 Year	See M.Phil/Ph.D Prospectus 2019	
Ph.D	Subject to availability	3 -6 Years	See M.Phil/Ph.D Prospectus 2019	
* 5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates				
** 10 th class : 10%, 10+2 class : 10%, Graduation : 40% & 5% P.U. Weightage on the basis of P.U. Graduates.				

TITLES OF SYLLABI: Detailed Course Curriculum is available at <http://puhcd.ac.in/syllabus.php>

M.A.

Semester-I		Semester-II	
Paper-1	Life and the Making of Gandhi	Paper-1	Gandhi and Freedom Movement
Paper-2	Political Thought of Mahatma Gandhi	Paper-2	Economic Thought of Mahatma Gandhi
Paper-3	Peace Studies	Paper-3	Conflict & Conflict Resolution
Paper-4	A Study of Texts	Paper-4	Social Thought of Mahatma Gandhi
Paper-5	Gandhi in Globalized World	Paper-5	Gandhi and World Peace
Semester-III		Semester-IV	
Paper-1	Research Methodology	Paper-1	Human Security and Disaster Management
Paper-2	Conflict Management and Transformation	Paper-2	Social Work and Social Reforms in India
Paper-3	Legacy of Peace Building : Mohandas Karamchand Gandhi, Martin Luther King (Jr.), Daisaku Ikeda, Abdul Ghaffar Khan	Paper-3	Gandhi, Rural Development & Panchayati Raj in India
Paper-4	Gandhi, Ecology and Sustainable Development	Paper-4	Field Work Project Report
Paper-5	Gandhi and Social Problems	Paper-5	Gandhi, Human Rights and Duties

THRUST AREAS: Life and Work of Mahatma Gandhi, Socio-economic and Political Thought of Mahatma Gandhi, Sustainable Development, Peace Studies, Conflict Resolution, Rural Development, Panchayati Raj, Freedom Movement, Human Security, Social Work, International Relations and Organizations, Women's Empowerment and Disaster Management.

DEPARTMENT OF GEOGRAPHY

ABOUT THE DEPARTMENT

Established in 1960, the Department has the distinction of running three mutually supportive post-graduate courses in Geography, Remote Sensing & Geographic Information Systems and Disaster Management. It holds eminence as a centre of quality teaching, research and training. Supervision up to the level of Ph.D. is also offered. In recognition of its regular outstanding accomplishments over the years, the Department was conferred the status of Centre of Advanced Study by the University Grant Commission in 2009 and is currently under CAS Phase-II (2015-20). It is also the Headquarter of the Association of Population Geographers of India. It publishes a journal, Population Geography, the first and only one on the theme in the country. The Department has a well equipped and updated Library and state-of-the-art Computer labs supporting GIS software. Simultaneously with fieldwork being its forte students are encouraged to learn in the field for which regular fieldtrips are organised. Internship at national level institutes provides opportunity to the students to acquire practical knowledge and hands-on training. The Department has fostered a deep interaction of its faculty and scholars with organizations like Survey of India, NRSC Hyderabad, Census of India, IIRS, Dehradun and ICSSR, New Delhi. It routinely organises UGC sponsored National Seminars and Refresher Courses in Geography for College/University Teachers and short term Training Programmes in Remote Sensing and GIS for college and school teachers. Professionalism is a part of overall learning here.

FACULTY

Designation	Name	Field of Research Specialization
Professor Emeritus	Gopal Krishan	Population Studies, Urban Geography, Administrative Geography
Professors	Smita Bhutani	Population Geography issues, Climate & Sustainability
	Dhian Kaur	Agricultural Geography, Environmental Studies
	Krishna Mohan	Regional Development with Special Focus on Backward Areas, Disaster Management, Remote Sensing & Geographic Information System
	Karanjot Kaur Brar	Environmental Studies, Natural Disaster Studies, Remote Sensing & Geographic Information System, Climate & Sustainability Issues
	Ravinder Kaur	Regional Development, Urban-Rural Relations, Policy Studies
Associate Professor	Simrit Kahlon (Chairperson)	Urban Geography, Population Geography, Cultural & Environment Geography, Remote Sensing & Geographic Information System
	Gaurav Kalotra	Population Geography, Remote Sensing & Geographic Information System
Assistant Professors	Navneet Kaur	Agricultural Geography & Horticulture
	Vishwa Bandhu Singh	Disaster Studies, Climate Change, Mountain Environments & Remote Sensing & Geographic Information System

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	51+7 NRI +3 Foreign National	2 Years	Passed one of the following examinations from a recognized University: Bachelor's Degree with at least 50% marks in the aggregate AND passed Geography in the B.A. / B.Sc. Examination obtaining at least 45% marks OR Post-Graduate Diploma in Cartography with atleast second division.	Based on PU-CET(PG) Academics : 50% PU-CET(PG): 50%
Masters in Geoinformatics	25+3NRI+3 (Sponsored by Govt./ Institute) +1 Foreign National	2 Years	Bachelor's Degree with Geography/Geology/ Geophysics/Mathematics/Physics/Botany/ Environment Science/Computer Science/ Urban Planning / Regional Planning/ B.Tech. / B.C.A. or Master's Degree in Geography/ Geology / Geophysics / Mathematics / Physics / Botany / Environment Science/ Computer Science / MCA/ Urban Planning/Regional Planning with at least 50% marks in aggregate. The admission to the course shall be through an Entrance Test.	Based on PU-CET (PG) Academics : 50%** PU-CET(PG): 50% Sponsored candidates by Govt./ Institutes are exempted from Entrance Test.
Masters in Disaster Management	25+3NRI+ 3 (Sponsored by Govt./ Institute) +1 Foreign National	2 Years	Graduation in any discipline with 50% marks in aggregate from Panjab University or from any other University recognized by the Panjab University as equivalent thereto.	Based on PU-CET (PG) Academics : 50% PU-CET(PG): 50% Sponsored candidates by Govt./ Institutes are exempted from the Entrance Test.
Ph.D.	Subject to availability	3-6 Years	See M. Phil/Ph.D Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates.

**B.A./B.Sc./M.A./M.Sc. Geography students will be given additional weightage of 15% of the academic score at Bachelor's level.

TITLE OF SYLLABI: (Detailed Course Curriculum is available at www.puchd.ac.in/syllabus.php)

M.A. Geography

Semester-I	Semester-II
GEOG 101: Geographic Thought GEOG 102: Geomorphology GEOG 103: Cartography (Theory & Practical)	GEOG 201: Climatology GEOG 202: Geography of India (Systematic and Regional) GEOG 203: Fundamentals of Remote Sensing (Theory & Practical)
GEOG 104: Any one of the following optional courses : (i) Fundamentals of Population Geography (ii) Fundamentals of Agricultural Geography (iii) Political Geography (iv) Geography and Ecosystems (v) Contemporary Issues in Human Geography	GEOG 204: Any one of the following optional courses : (i) Cultural Geography (ii) Population and Development Planning (iii) Fundamentals of Natural Hazards and Disaster Management (iv) Marketing Geography (v) Geography of Water Resources (vi) Administrative Geography
Semester-III	Semester-IV
GEOG 301: Town and Country Planning GEOG 302: Research Methodology in Geography GEOG 303: Fundamentals of GIS and GPS (Theory & Practical) GEOG 304: Any one of the following optional courses : (i) Regional Development and Planning in India (ii) Special Themes in Agricultural Geography (iii) Bio Geography (iv) Social Geography (v) Political Geography of India (vi) Applied Climatology	GEOG 401: Regional Planning GEOG 402: Field Based Project Report (Practical only) GEOG 403: Quantitative Methods in Geography (Theory & Practical) GEOG 404: Any one of the following optional courses : (i) Urban Geography (ii) Geography of Food Security (iii) Qualitative Research Methods in Geography (iv) Climate Change and Earth System
MASTERS IN DISASTER MANAGEMENT	
Semester-I	Semester-II
DM 101: Foundations of Disaster Management DM 102: Natural Hazards and Disaster DM 103: Human Made Hazards and Disaster DM 104: Fundamentals of Geoinformatics	DM 201: Global Initiatives for Disaster Management DM 202: Disaster Management Mechanism in India DM 203: Incident Response System and Emergency Management DM 204: Disaster Risk Reduction and Management Planning
Semester-III	Semester IV
DM 301: Research Methodology and Internship Report DM 302: Industrial Safety and Risk Management DM 303: Urban Disasters and Risk Management DM 304: Geoinformatics for Disasters Management	DM 401: Project Report 1. Formulation of Project Proposal 2. Mid Term appraisal 3. Pre-submission Presentation 4. Report Evaluation 5. Presentation 6. Viva-voce
MASTERS IN GEOINFORMATICS	
Semester-I	Semester-II
GI 101: Fundamentals of Remote Sensing GI 102: Fundamentals of Photogrammetry GI 103: Fundamentals of Geographic Information Systems GI 104: Fundamentals of Computer & Computer Programming	GI 101: Cartography GI 102: Spatial Analysis GI 103: Digital Image Processing GI 104: Fundamentals of Global Positioning System

Semester-III	Semester-IV
GI 301: Research Methodology and Internship GI 302: Geoinformatics for Geosciences GI 303: Geoinformatics for Urban and Regional Planning GI 304: Geoinformatics for Disaster Management	GI 401: Project Report 1. Formulation of Project Proposal 2. Mid Term appraisal 3. Pre-submission Presentation 4. Report Evaluation 5. Presentation 6. Viva-voce

THRUST AREAS: Major thrust areas for CAS Phase II include: Population Geography, Settlement Geography, Agricultural Geography, Geography & Ecosystems, Remote Sensing and GIS applications, Regional Development and Disaster Management.

PLACEMENTS: The Department runs placement drives for the placement of students in coordination with the University Placement Cell.

ALUMNI RELATIONS: The Department intends to organise some interactive sessions with our Alumni.

DEPARTMENT OF GURU NANAK SIKH STUDIES

ABOUT THE DEPARTMENT

The Department of Guru Nanak Sikh Studies was initiated in 1970 in pursuance of a scheme of the Punjab Government and the University Grants Commission to set up Guru Nanak Chairs at some universities of India in commemoration of the Birth-Quincentenary of Sri Guru Nanak Sahib Ji. The Panjab University was the first to establish such a Department for study and research of the various aspects of the life, work and teachings of Guru Nanak, in particular; and of the Sikh religion, history, philosophy, culture and literature and of religious thought in general. The Department has spacious building and quality infrastructure, seminar hall for organizing Conference, Seminar, Special/Extension Lectures, Workshops and other activities. It has Reference library well equipped with source books on Sikh Studies. Separate section of library has been earmarked for keeping the rare old manuscripts of Guru Granth Sahib.

The Department has a long tradition of holding regularly International/National Seminars, Conferences, Workshops and Special Lecture series programmes on the key issues of the related study. The Department publishes Refereed Research Journal entitled Punjab Journal of Sikh Studies. The Department publishes its Refereed Research Journal entitled Punjab Journal of Sikh Studies. Sixty Seven Research Scholars have been awarded Ph.D Degree. All the Research Scholars are very well settled in high level jobs and most of them are well known personalities working in the diverse fields. Four Students have been awarded J.R.F (U.G.C Fellowship) and one is availing University merit scholarship.

FACULTY

Designation	Name	Field of Research Specialization
Professor Emeritus	Darshan Singh	Phonology and Sikh Studies
Professors	Dean of University Instruction (Additional Charge) Jaspal Kaur Kaang (Academic Incharge)	Medieval Punjabi Literature, Sikh Studies and Fiction

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.(Comparative Studies of Religion)	25+3 NRI +1 Foreign National	2 Years	Passed one of the following examinations from a recognized University: A Bachelor's degree obtaining at least 45% marks in the subject of Postgraduate course or 50% marks in the aggregate. OR B.A. (Hons) in the subject of Postgraduate course/B.Sc. (Hons. School) course. OR Master's Degree examination in any other subject. OR Passed B.A./B.Sc. with History, Ancient History, Religious Studies, Religious and Sikh Study, Sikh Study, Comparative Study of Religion, Philosophy, Sociology, Social work, Modern Indian Language (Hindi/Urdu/Punjabi/Gurumukhi Script) obtaining at least 45% marks shall also be eligible.	Based on merit

Ph.D.	Subject to availability	3-6 Years	See M. Phil/Ph. D prospectus 2019	
*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates				

TITLES OF SYLLABI (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

M.A. Comparative Study of Religions

Semester-I		Semester-II	
Paper-1	Study of Religion I (SOR-01)	Paper-1	Study of Religion II(SOR-05)
Paper-2	Schools Of Hindu Religious Philosophy I (SHRP-02)	Paper-2	Hinduism II (HIN-06)
Paper-3	Bhakti Tradition (BT-03)	Paper-3	Buddhism (BUD-07)
Paper-4	Sikh Religion I (SR -04)	Paper-4	Study of Sikh Religion II (SSR-08)
Semester-III		Semester-IV	
Paper-1	Philosophy of Religion-III (POR-09)	Paper-1	Hermeneutics of Religion (HR-13)
Paper-2	Jainism (JAN-10)	Paper-2	Christianity (CHR-14)
Paper-3	Islam & Sufism (INS-11)	Paper-3	Study of Sikh Religion IV (SSR-15)
Paper-4	Study of Sikh Scripture and Literature III (SSL-12)	Paper-4	Religion of Modern India (RMI-16)

THRUST AREAS:

- To conduct, guide and organize study and research of various aspects of life, works and teachings of Guru Nanak, study of all Banikars whose Bani has been compiled in Guru Granth Sahib.
- To guide research in the field of Comparative Study of Religion and particularly in Sikh Studies, with special context of Philosophy, Religion, Literature, Language, Performing Arts, Social Sciences, Management, Science or any other area explore related to Sikh Studies.
- Special emphasis is laid on the study and research of Medieval Period to till date.
- To explore the research of diasporic scope in Sikh studies.
- To produce study and research in the relevant field with multidisciplinary approaches.
- Teaching of Major Religions of India as well as of World Religions.
- To create religious harmony and interfaith dialogue among the religions.

DEPARTMENT OF HISTORY

ABOUT THE DEPARTMENT

The Department was relocated at Chandigarh in 1951 and offers M.A., M.Phil and Ph.D. Courses. Research opportunities are available in three streams viz. Ancient, Medieval, Modern and Contemporary History. Special focus is on Punjab History. The Department has organized National Seminars, Symposia, Conferences, Refresher Courses, Workshops and Special Lectures on important aspects of Indian History from time to time. The Hari Ram Gupta Memorial Lecture is organized annually with a focus on the North Western region. The faculty has been actively engaged in Research Projects funded by UGC, ICHR, National Commission for Women, New Delhi and has published over 80 books and 500 Monographs/Research Papers. The faculty also delivers extension lectures and remains in contact with the affiliated colleges. Various academic activities are organised by the department in association with Aitihāsiki, a registered society, formed by the former students of the department.

FACULTY

Designation	Name	Field of Research Specialization
Professor Emeritus	Indu Banga	Modern and Medieval Indian History with special focus on Punjab
Professors	Sukhmani Bal Riar	Modern Indian History of India with special reference to the National Movement and History of Punjab in the Modern period.
	Veena Sachdeva	Social, Economic and Political History of Medieval India with special focus on Medieval Punjab Study of Sacred Centres and Medieval Indian Monuments

	M. Rajivlochan	Modern and Contemporary Indian History
	Reeta Grewal	Social History of Modern India, Urban History, Medieval and Modern Punjab.
	Anju Suri (Chairperson)	Modern Indian History with special focus on political, social, economic history, British Paramountty and Princely States and History of Modern Punjab
Assistant Professors	Jasbir Singh	Modern Punjab, History, Culture and Literature
	Priyatosh Sharma	Medieval Indian History
	Ashish Kumar	Economic & Socio-Cultural History of Ancient India

COURSES OFFERED (SEMESTER SYSTEM) :

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	50+5 NRI +3 Foreign National	2 years	<ul style="list-style-type: none"> • B.A with Honours in History • Bachelor's degree in any faculty with atleast 50% marks in the aggregate. • B.A (PASS)/B.Sc. (PASS) examination in full subjects obtaining atleast 45% marks in the subject of History. • Master's degree examination in another subject or another faculty. 	<ul style="list-style-type: none"> • The candidates should have passed the written Entrance Test conducted by Panjab University, Chandigarh. The merit list will be prepared considering the marks obtained in the Entrance Test and the Qualifying Examination as per the following criteria: Written Test: 50% Qualifying Examination: 50% • Academic and other weightages if any will be based on the percentage of marks obtained by the eligible candidates in the Qualifying examination as prescribed in Section 16.1 of Handbook of Information. • The pass percentage of entrance test in history is 35% (30% in case of candidates belonging to SC/ST/BC) w.e.f. the session 2017-18.
M.Phil.	15	1 year	See M.Phil/Ph.D prospectus 2019	
Ph.D.	Subject to availability of seats	3-6 years	See M.Phil/Ph.D prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates.

TITLES OF SYLLABI: (Details course curriculum is available at <http://pu.chd.ac.in/syllabus.php>)

M.A. (SEMESTER SYSTEM)

Semester-I	Semester-II
Paper-I The Punjab (mid-fifteenth to seventeenth centuries) Paper-II Ancient India: An Overview Paper-III Medieval India: Political Processes Paper-IV Modern India: Political Processes	Paper-I Punjab in the Eighteenth Century (Compulsory) Paper II: Any one of the Following: Opt. (i) Agrarian Economy of Ancient India Opt. (ii) Agrarian Economy of Medieval India Opt. (iii) Agrarian Economy of Modern India Opt. (iv) Industry, Trade & Urbanization in Medieval India Opt. (v) Industry and Trade in Modern India Opt. (vi) Urbanization in Modern India (Not offered to students in this session)

	<p>Paper III Any one of the following: Opt. (i) Modern World (Mid 15th - 19th Century) Opt. (ii) China & Japan (1840-1950) Opt. (iii) History of Canada (Not offered to students in this session)</p> <p>Opt. (iv) American Imperialism in the Nineteenth and Twentieth Centuries (Not offered to students in this session)</p> <p>Paper IV Any one of the following: Opt. (i) USA (1820-1973) Opt. (ii) World in the Twentieth Century</p>
SEMESTER-III	SEMESTER-IV
<p>Paper I: Punjab in the Nineteenth Century (Compulsory)</p> <p>Paper II: Any one of the following Opt.(i) Evolution of Ancient Societies Opt.(ii) Feudal Society in Western Europe Opt.(iii) History of Capitalism Opt.(iv) Rise and Growth of Colonialism in India Opt. (v) History of Secularism in Modern India (Not offered to students in this session)</p> <p>Papers III& IV: Any two of the following Opt.(i) Cultural History of Ancient India Opt.(ii) Sacred Centres in Indian Civilization Opt.(iii) Medieval Indian Art and Monuments. Opt.(iv) Gender Relations in Modern India Opt. (v) Diaspora in Colonial India (Not offered to students in this session) Opt.(vi) Science, Technology & Medicine in Colonial India (Not offered to students in this session) Opt.(vii) Constitutional Development in Modern India, 1773-1947 Opt.(viii) National Movement in India 1858-1947 Opt.(ix) British Policy and Princely States (Not offered to students in this session) Opt.(x) Contemporary India 1947-1992</p>	<p>Paper I: Punjab in the Twentieth Century (compulsory)</p> <p>Paper II: Any one of the following Opt.(i) History and Historiography Opt.(ii) History and Historical Method</p> <p>Papers III& IV: Any two of the following Opt. (i) Religious And Social Processes In Ancient India Opt. (ii) Buddhism in India Opt. (iii) Religious Developments in Medieval India Opt. (iv) Islamic Traditions of Medieval India Opt. (v) Dalit Movements in Modern India Opt. (vi) Working Class Movements in Modern India Opt. (vii) Peasant Movements in Modern India Opt. (viii) Socio-Religious Reform Movements in Modern India Opt.(ix) History of Caste and Caste Politics in Modern India</p>

THRUST AREA: Study of the broad North-Western Region in terms of polity, economy, society and culture since the earliest times in a pan Indian, integrated and inter-disciplinary perspective.

PLACEMENTS: The students are placed in Academics, Judiciary and Civil Services at the Central and State level particularly in the states of Punjab, Haryana, Himachal and Delhi. Many students work for the media and Defence Services.

ALUMNI RELATIONS: The department has produced a number of academicians holding the positions of Vice Chancellors at various universities, Eminent Judges of High Courts, Session Courts and District Courts, Chairmen of various commissions, Civil Servants holding the highest position as Secretaries in various departments, Eminent Journalists, Police personals of the rank Director-Generals and SSP and very eminent Art Historians. The Alumni of the Department have been decorated with Padma Vibhushan, Padma Shree and have headed various commissions.

INSTITUTE OF SOCIAL SCIENCES EDUCATION AND RESEARCH

ABOUT THE INSTITUTE

PU-ISSER –Panjab University-Institute of Social Sciences Education and Research- was established as an innovative five year programme in 2015. This course comprises a 3 years B. A. Honours and 2 years M A in Social Sciences, with an exit option after the successful completion of first three years. The programme provides a multi-disciplinary foundation to develop an overall perspective on contemporary society. It offers majors in a subject chosen by a student at the undergraduate level and masters either in a given social science subject or any other interdisciplinary social science subject. ISSER aims at inculcating a holistic and interdisciplinary orientation towards the social sciences to promote social analysis and research. The Institute provides a unique blend of Choice Based Credit System and the Skill Enhancement components.

FACULTY: The Faculty members of Social Science Departments of Panjab University Campus including USOL, MDRC and UIILS effectively participate in teaching this novel Programme.

Designation	Name	Field of Research Specialization
Professor	Swarnjit Kaur (Coordinator)	Globalization, Human Rights & International Relations

Course Offered (Semester System)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.A.(Hons.)	50+5 NRI +3 Foreign National	3 years	55% in 10+2 of any stream/ Board/Council /University recognized by PU	On Merit With 10% weightage for social sciences at 10+2 level
M.A. Social Science (Specific discipline)	-	2 years	Candidates who successfully complete B.A. (Hons.) Social Science, at PU-ISSER	B.A. (Hons.) Social Sciences

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates.

COURSE STRUCTURE FOR FIVE YEAR PROGRAMME IN SOCIAL SCIENCES: 2017-18

SEMESTER I-VI BA Honours in Social Sciences

Titles of Syllabi*(Detailed syllabi available at <http://puhd.ac.in/syllabus.php>)

Paper	Semester I	Paper	Semester II
1.1 BA	Discipline Specific Core Papers	2.1 BA	Discipline Specific Core Papers
ENG 101	English	ENG 202	English
Geo 101	Introduction to Geography	Eco 201	Economics: Key Concepts and Theories-1
HIS 101	History of India from Indus Valley Civilization up to 1200 AD	PUB 201	Public Administration : Key Concepts and Theories
POL 101	Introduction to Political Theory	GEO 202	Geography of India
SOC 101	Sociology: Key Concepts and Theories	HIS 202	History of India 1200-1750 AD
1.2 BA	Choice Based Credit Electives (any Two)	2.2 BA	Choice Based Credit Electives (any Two)
PBI 101	Punjabi	PBI 201	Punjabi
HCP 101	History and Culture of Punjab from the Earliest times to 1849	HCP 202	History and Culture of Punjab
PSY 101	Introduction to Psychology*	POL 202	Indian Constitution: Reading the text
PHI 101	Introduction to Philosophy	GTH 201	Introduction to Gandhian Thought
1.3 BA	Skill Enhancement Papers	2.3 BA	Skill Enhancement Papers
CAP 101	Computer Applications	ENG 203	Academic Writing Skills
	SEMESTER III		SEMESTER IV
3.1 BA	Discipline Specific Core Papers	4.1 BA	Discipline Specific Core Papers
ENG 303	Communicative English	ECO 403	Indian Economy
ECO 302	Economics: Key Concepts and Theories 2	PUB 403	Personnel and Financial Administration
PUB 302	Indian Administration	POL 403	Introduction to International Relation
POL 302	Introduction to Indian Politics	HIS 403	History of India 1750-1947AD
SOC 302	Society in India	SOC 403	Social Change in Modern India
3.2 BA	Choice Based Credit Electives (any Two; ENV Compulsory)	4.2 BA	Choice Based Credit Electives (any Two)
ENV 301	Environment *	PSY 402	Elements of Psychology

GNR 301 Introduction to Gender Studies	PHI 402 Indian and Western Ethics
HOA 301 Introduction to History of Art	HRD 401 Introduction to Human Rights and Duties
3.3 BA Skill Enhancement Papers	PAD 401 Introduction to Police Administration
GEO 303 Basic Cartography	4.3 Skill Enhancement Papers
REM 301 Research Methodology in Social Sciences	STA 401 Basic Statistics*
SEMESTER V	SEMESTER VI
5.1 BA Discipline Specific Core Papers(4 papers of any one discipline)	6.1 BA Discipline Specific Core Papers(4 papers of same discipline as in Semester V)
GEO 501 Geography of Punjab	GEO 601 Cartography 2
GEO 502 World Regional Geography 1	GEO 602 World Regional Geography 2
GEO 503 Geographic Thought	GEO 603 Introduction to Geospatial Technology
GEO 504 Environmental Geography	GEO 604 Fundamentals of Human Geography
HIS 501 World History c. 1870-1914	HIS 601 World History c. 1914-1991
HIS 502 Economy of Early India	HIS 602 Social and Cultural Trends in Ancient India
HIS 503 Economic History of Medieval India	HIS 603 Socio Cultural History of Medieval India
HIS 504 Economic History of Modern India	HIS 604 Socio Cultural History of India Under Colonial Rule
ECO 501 Economics of Industry	ECO 601 International Economics
ECO 502 Intermediate Micro Economics 1	ECO 601 Intermediate Micro Economics 2
ECO 503 Intermediate Macro Economics 1	ECO 602 Intermediate Macro Economics 2
ECO 504 Development Economics -1	ECO 603 Development Economics 2
PSY 501 Educational Psychology*	PSY 601 Life Skills*
PSY 502 General Psychology*	PSY 602 Counselling Psychology*
PSY 503 Experimental Psychology*	PSY 603 Industrial Psychology*
PSY 504 Psychological Testing*	PSY 604 Abnormal Behaviour*
POL 501 Geopolitics Classical and Critical	POL 601 Public Policy in India: An Introduction
POL 502 Traditions of Political Thought	POL 602 Major Issues in Indian Politics
POL 503 Contemporary Global Politics	POL 603 Indian Political Thought
POL 504 Introduction to Comparative Politics	POL 604 Theories of International Relations
PUB 501 Comparative and Development Administration	PUB 601 E-Governance
PUB 502 Local Government in India	PUB 602 Administrative Law
PUB 503 Citizen Centric Governance	PUB 603 Ethics and Governance
PUB 504 Regulatory Governance *	PUB 604 Public Policy and Governance
SOC 501 Introduction to Rural Society	SOC 601 Introduction to Urban society
SOC 502 Social Thought	SOC 602 Indian Sociological Thinkers
SOC 503 Social Stratification	SOC 603 Sociology of Family and Gender
SOC 504 Social Development	SOC 604 Social Demography
5.2 BA CHOICE BASED CREDIT ELECTIVES (ANY TWO)	6.2 BA BA CHOICE BASED CREDIT ELECTIVES (ANY TWO)
GEN 502 India's Struggle for Freedom	GEN 605 Prehistoric India
GEN 503 Contemporary India	GEN 606 Introduction to Social work
GEN 504 Economic Issues Today*	GEN 607 Climate Change and Sustainable Development
5.3 BA Skill Enhancement Papers	HOA 602 Introduction to Western Art
RSM 501 Use of Graphs and Diagrams in Social Sciences	6.3 BA Skill Enhancement Papers
SEM 501 Interdisciplinary Project	RSM 604 Use of Surveys and Interviews in Social Sciences
Aggregate Credits 26x6= 156	RSM 606 Interdisciplinary Survey Project
Aggregate Marks 650x6= 3900	

SEMESTER VII-X/Semester I-IV under MA in Social Sciences only for ISSER Students			
Paper	Semester VII /M.A. Sem-I	Paper	Semester VIII /M.A. Sem-II
	Interdisciplinary Core Papers:		Interdisciplinary Core Papers:
REM 706	Social Sciences: An Integrated Approach	REM 807	Research Methods in Social Sciences
	Discipline Specific Papers Papers(16-20)		Discipline Specific Papers Papers(16-20) taught at specific departments
	taught at specific departments		
	Skill Development Papers		Skill Development Papers
GEN 709	Basic Soft Skills	REM 808	Preparation of Bibliography on selected theme*
		REM 809	Book Review*
Paper	Semester IX /M.A. Sem-III	Paper	Semester X /M.A. Sem-IV
	Interdisciplinary Core Papers:		Interdisciplinary Core Papers:
GEN 910	Social Science Perspectives on Globalization	GEN 1010	World in the Twentieth Century: The Short Century of Amazing Transformations
	Discipline Specific Papers Papers(16-20)		Discipline Specific Papers Papers(16-20) taught at specific departments
	taught at specific departments		Skill Development Papers
	Skill Development Papers		Skill Development Papers
REM 910	Seminar Papers on selected theme	REM 1012	Dissertation on Selected theme(12000 Words)
REM 911	Synopsis of Dissertation(to be undertaken in Semester X)		
	Aggregate Credits 26x4= 104		
	Aggregate Marks 650x4= 2600		
*papers reconstructed pending notification			

THRUST AREAS: The PU-ISSER intends to inculcate a holistic approach of the social sciences to train students to become reflective and critical thinkers, independent learners and specially equipped in interdisciplinary skills for social analysis and research. The five year social sciences programme will provide additional perspectives to comprehend the significant issues of the region, nation and the world at large.

PLACEMENTS: The PU-ISSER is a new institute established in 2015. Its first batch graduated in 2018 and has attended internships at SOREM, Partition Archives in their areas of interest for work experience leading to placements.

ALUMNI RELATIONS: ISSER intends to build a strong and vibrant Alumni Association to remain in touch with the students through an E-Newsletter and annual meetings. We would like the alumni to interact with the later batches at PU-ISSER to both motivate and inspire them by sharing share their experiences and best practices.

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

ABOUT THE DEPARTMENT

The Department was established in 1960. The Department is one of the pioneer schools of Library & Information Science in the country. The department prepares students through professional degree courses for careers in Librarianship and LIS teaching. It has produced about 63 Doctorates, organized various Refresher courses and seminars in Library & Information Science. It has a rich collection of latest documents in the department library and has a computer laboratory. The department's student association namely PULSSA (Panjab University Library Science Students Association) organizes various academic & cultural programmes from time to time. The class rooms of the department are multimedia enabled which makes the teaching and learning more enriching, engaging and encouraging. The Department endeavors to contribute meaningfully in the information-driven knowledge society through innovative educational curricula, rich learning experiences, strong, balanced research programme offered in a positive and diverse learning environment. The department has significant research productivity.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Preeti Mahajan (Chairperson)	ICT applications in Library and Information Centers, Library Management, Reference and Information Services, Social Science Information System, Library Cataloging, Information Storage Retrieval

Associate Professor	Rupak Chakravarty	Library Technologies, Library Management, Information & Communication, Information Storage & Retrieval, Management of Academic Library System, Webometrics, Health Information Systems
Assistant Professors	Shiv Kumar	Reference and Information Services, Cataloguing (Theory & Practice), Research Methodology and Statistical Techniques Information & Communication
	Khushpreet Singh Brar	Electronic Journals, Information Analysis Consolidation Repackaging, Knowledge Organization, Information Storage & Retrieval, Web Based Sources & Services

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
Bachelor of Library & Information Sciences (B.Lib.I.Sc.)	60+5NRI +3 Foreign National	1 Year	Passed one of the following examinations from a recognized University: Bachelor's degree with at least 50% marks in aggregate. OR Master's degree in any discipline OR any other equivalent qualification recognized by PU/UGC	Based on merit
Master of Library & Information Sciences (M.Lib.I.Sc.)	40+5NRI +2 Foreign National	1 Year	Bachelor of Library & Information Science(s) degree with 50% marks from a recognized University	Based on merit
Ph.D.	Subject to availability	3-6 Years	UGC NET/JRF	Interview and presentation of proposed topic/ synopsis

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates.

TITLES OF SYLLABI: Detailed syllabi is available at <http://puchd.ac.in/syllabus.php>.

Bachelor of Library & Information Sciences

Semester-I	Semester-II
Paper-1 Foundations of Library and Information Science Paper-2 Knowledge Organization: Classification (Theory) Paper-3 Knowledge Organization: Cataloguing (Theory) Paper-4 Information and Communication Technology: Basics	Paper-1 Management of Library and Information Centers Paper-2 Knowledge Organization: Classification (Practice) Paper-3 Knowledge Organization: Cataloguing (Practice) Paper-4 Information Sources and Services (Theory)
Masters of Library & Information Sciences	
Semester-I	Semester-II
Paper-1 Information Sources and Services (Practice) Paper-2 Information and Communication Technology: Applications (Theory & Practice) Paper-3 Information Storage and Retrieval Paper-4 Research Methods and Statistical Techniques	Paper-1 Information and Communication Paper-2 Information Analysis, Consolidation and Repackaging Paper-3 Information Systems:(Options) A–Social Science Information Sources & Systems B–Business Information Sources and Systems C–Health Science Information Sources and Systems Paper-4 Management of Library Systems: (Options) A – Public Library System B – Academic Library System C – Special Library System

THRUST AREA: RFID (Radio Frequency Identification), Bibliometrics, Scientometrics, Altmetrics & Webometrics, Library 2.0, Reference and Information Sources and Services, E-Resources, Digital Library, Scholarly Communication, Information Literacy, Research support, Researcher Development, Library Assessment and other emerging trends.

PLACEMENTS: Department of Library and Information Science collaborates actively with the Central Placement Cell (CPC) of the Panjab University. Students also participate in the soft-skill development courses offered by the CPC. It guides and assists the students regarding career counseling and facilitates training and placement of students in various library & information centers including academic, public and special libraries. Faculty members take keen interest in disseminating job related information to the students. Regular job postings are also done on the department online notice board.

ALUMNI RELATIONS: Students of the department continue to be an important part of our academic community long after completing their course. The department strives to foster a sense of belongingness and nurture and strengthen the bond between alumni and the Department in ways that are meaningful and mutually beneficial, provide a forum for the alumni for exchange of ideas on academic, cultural and social events that bring students, faculty, staff and alumni together. The department from time to time invites the distinguished alumni to deliver extension lectures for the benefit of the students. The department through alumni relations strives to generate valuable support and engagement. As a former student of the department they remain a valued member of our community.

DEPARTMENT OF PHILOSOPHY

ABOUT THE DEPARTMENT

The Department was established in 1959. The Department provides instructions for M.A. in Philosophy, besides research guidance for a Doctoral Degree and subsidiary courses in Philosophy to the P.U. ISSER Social Sciences students and Sikh Studies of Comparative Religion. The Department strives to provide the students an extensive exposure to Western and Indian Philosophical Traditions and an intensive training for analytical skills and reasoning through lectures, tutorials and seminars. An active participation and regular attendance in all these activities is compulsory. The faculty of the Department takes an active interest in interacting with the faculty and students of the allied departments of their academic areas of interest particularly in Humanities and Social Sciences in the Faculties of Arts, Languages, Design & Fine Arts.

FACULTY

Designation	Name	Field of Research Specialization
Professor Emeritus	Dharmendra Goel	Philosophy of History & Culture, Analytical Language.
Professor Emeritus (UGC)	V.T. Sebastian	Phenomenology and Existentialism
Professor Re-employed	H.P.Sah	Philosophy of Science, Philosophy of Religion.
Professor	Asha Maudgil	Philosophy of Mind, Philosophy of Language, Philosophy of History & Culture, Logic, Philosophy of Science.
Associate Professor	Shivani Sharma (Chairperson)	Indian Philosophy, Aesthetics
Assistant Professors	Lallan Singh Baghel Pankaj Srivastava	Social and Political Philosophy, Philosophy of Mind. Philosophy of Religion

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	40 + 4 NRI +2 Foreign National	2 Years	Passed one of the following examinations from a recognized University: Bachelor's Degree obtaining 45% marks in the subject of Philosophy or 50% marks in Aggregate. OR B.A. (Hons.) in the subject of Philosophy or B.Sc. (Hons.) course. OR Master's Degree examination in any discipline. OR B.A. (Pass) with 45% marks in the subject of Political Science/Economics /Sociology/ Psychology/ Mathematics/Physics.	Based on Merit
M.Phil.	10	1 Year	See M.Phil. / Ph.D. Prospectus 2019	
Ph.D	Subject to availability	3-6 Years	See M.Phil. / Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

M.A.

Semester - I		Semester - II	
Paper-1	Introduction to Philosophical Psychology	Paper-1	Philosophical Psychology (Debates in Philosophical Psychology)
Paper-2	Western Philosophy (History of Greek Philosophy)	Paper-2	Western Philosophy (Modern Western Philosophy)
Paper-3	Classical Indian Philosophy (Indian Metaphysics)	Paper-3	Classical Indian Philosophy (Indian Epistemology)
Paper-4	Logic (Part - I)	Paper-4	Logic (Part - II)
Semester - III Compulsory		Semester - IV Compulsory	
Paper-1	20 th Century Western Philosophy (Philosophy of Language)	Paper-1	20 th Century Western Philosophy (Existentialism, Phenomenology & Hermeneutics)
Paper-2	Ethics (Concepts and Theories in Ethics) Optional (any Two)	Paper-2	Ethics (Applied Moral Philosophy) Optional (any Two)
Paper-3	Social and Political Philosophy (Concepts and Theories in Social and Political Philosophy)	Paper-3	Social and Political Philosophy (Major Theories in Social and Political Philosophy)
Paper-4	Philosophy of Religion (Part - I)	Paper-4	Philosophy of Religion (Part- II)
Paper-5	Aesthetics : Indian & Language Western (Part-I)	Paper-5	Aesthetics : Indian & Western (Part-II)
Paper-6	Philosophy of History & Culture (Philosophy of History)	Paper-6	Philosophy of History & Culture (Philosophy of Culture of Modern Indian Thoughts)
Paper-7	Philosophy of Science	Paper-7	Philosophy of Science

THRUST AREAS: Indian Philosophy, Ethics, Aesthetics, Social and Political Philosophy.

PLACEMENTS: The notice board of the Department displays subject related job & internship opportunities in different national & international research organizations. A designated faculty member in-charge of placements also provides career counselling to students.

ALUMNI RELATIONS: From time to time, our department organizes symposium, seminars and invited talks - cum - workshops where our alumni participate in philosophical and interactive activities.

DEPARTMENT OF POLITICAL SCIENCE

ABOUT THE DEPARTMENT

The Department is recognized internationally for its excellence in the areas of Indian Politics, International Relations and Geopolitics. Ranked highly in terms of research, teaching interface, the department is served by faculty of international repute. It has been designated by the UGC as a Department of Career Advancement. The Department has recently been upgraded from SAP to CAS - I for a period of five years beginning from April, 2016. The Department invites distinguished visiting scholars and holds workshops and conferences under this programme. In addition, the department also annually holds Shahid Bhagat Singh Memorial Lecture, Professor Pradeep Kumar Memorial Lecture and J.C. Anand Memorial Lecture. It has a vibrant Political Science Society, membership to which is compulsory for all the students. The Department is also running successfully an Electoral Literacy Club and a Movie Club.

The faculty has published extensively in the form of books, monographs, reports, articles, reviews, commentaries, perspectives and research papers in reputed journals. Some of the faculty members have also been on the editorial boards of reputed international journals.

FACULTY

Particulars	Name	Field of Research Specialization
Prof. Emeritus	M.M.Puri	International Relations/Geopolitics
Prof. Emeritus	B.S. Brar	International Relations /Political Theory

Professor	Sanjay Chaturvedi (on leave)	International Relations/Geopolitics/India Ocean/Polar Regions
	Ashutosh Kumar	Indian Politics/ State Politics in India
	Ronki Ram	International Relations/Dalit Politics
	Pampa Mukherjee	Development Politics; Environment & Politics
Associate Professor	Deepak K. Singh	International Relations/Migration in South Asia
	Navjot	Political Thought/Dalit Politics
	(Chairperson)	
Assistant Professor	Janaki Srinivasan	Development Studies, Political Theory, Gender Professor Studies

COURSES OFFERED (Semester System)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	60+6 NRI +3 Foreign National	2 years	Bachelor's Degree in any stream with at least 50% marks in aggregate or Bachelor's Degree with 45% marks in Political Science, or 50% marks in the aggregate Or B.A. with 45% marks in any social science discipline Or B.A. with honors in the subject of Political Science or B.Sc. (Hons.) Or Master's Degree examination in any other subject	Merit Basis
M.Phil	-	1 Year	UGC-NET/JRF, M.Phil/Ph.D Entrance Test 2019	Interview and presentation of proposed area of research.
Ph.D	Subject to availability	3-5 years	UGC-NET/JRF, M.Phil/Ph.D Entrance Test 2019	Interview and presentation of proposed area of research.

Note: * 5% concession is admissible in eligibility marks to SC/ST/BC/DAP candidates.

1. Subject weightage will be given to the candidates who have taken 6 full papers in Political Science in B.A. Course.
2. Weightage for Hons. In Political Science i.e. 15% shall be given to those candidates who have studied 10 full papers in Political Science in B.A. Course.

Title of Syllabi : Detailed syllabi available at <http://puchd.ac.in/syllabus.php>

M.A.

Note: Each paper/course shall carry 4 credits/100 marks. A semester shall have at least 60 hours of lectures and 15 hours of seminars in the papers included in the syllabus.

Semester-I		Semester-II	
Course I	Western Political Thought-I	Course V	Western Political Thought- II
Course II	Key Concepts in Political Analysis	Course VI	Comparative Politics-I: Understanding Advanced Industrial Societies
Course III	Indian Politics: Institutions at Work	Course VII	Indian Politics: Political Processes
Course IV	International Relations: An Historical Overview	Course VIII	Theories of International Relations or approaches to the study of International Relations
	Semester-III		Semester-IV
Course IX	Indian Political Thought-I (Compulsory)	Course XIII	Indian Political Thought-II (Compulsory)
Course X	Comparative Politics-II: Understanding Developing Societies (Compulsory) Or Comparative Political Systems with special reference to USA, UK, China, Japan & Switzerland	Course XIV	Foreign Policy of India (Compulsory)

<p>Course XI Opt any one of the following options:</p> <ul style="list-style-type: none"> (a) International Organization (b) Transnational Actors in International Politics (c) Politics of Development in India (d) Peace and Conflict Resolution (e) Rethinking Geopolitics: Critical Perspectives (f) Theories of Development (g) Public International Law-I <p>Course XII Opt any one of the following options:</p> <ul style="list-style-type: none"> (a) Democracy in India (b) Government & Politics of India's Neighbours (Pakistan, Bangladesh, Nepal and Sri Lanka). (c) Women and Politics in India (d) Rights: Ideas and Movements (e) Nationalism: Theory and Context (f) New Political Geography in Comparative Perspective (g) Policies and Politics of Development in India (h) Public Administration 	<p>Course XV Opt any one of the following options:</p> <ul style="list-style-type: none"> (a) Parties and Electoral Politics in India (b) State Politics in India (c) Decentralized Governance and Local Level Institutions in India (d) Political Sociology with special reference to India (e) Representing "India" : Geopolitical Imaginations (f) Dalit Movements and Issues in India <p>Course XVI Opt any one of the following options:</p> <ul style="list-style-type: none"> (a) Feminist Political Theory (b) Major themes in Recent Political Philosophy (c) Readings in the Philosophy of Resistance and Liberation (d) Contemporary Debates in 20th Century Marxism (e) Introducing Federalism (f) Public International Law-II
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M.Phil

All papers are compulsory. The total credits for the M.Phil Programme is 24 credits.

1 st Semester	Name of Paper	Credits: 12
Paper I:	Philosophy of Social Science	4 Credits
Paper II:	Methods in Social Science	4 Credits
Papers III:	Reading and Writing in Social Sciences	4 Credits
2 nd Semester		Credits: 12
Paper IV	Seminar Paper	4 credits
Paper V	Dissertation	8 credits
		Total Credits: 24

Ph.D (Outline of Course Work)

Paper - I	:	Methods in Social Science
Paper-II	:	Seminar Courses
Paper-III	:	Journal Club
Submission of Thesis		

THRUST AREAS: Indian Politics, International Relations, Geo-Politics.

PLACEMENTS: The notice board of the Department displays subject related job & internship opportunities in different national & international research organizations. A designated faculty member in charge of placements also provides career counseling to students.

ALUMNI RELATIONS: The Department is developing a database of information about all former students of the University. The Department also has a web page - 'politicalscience.puchd.ac.in' where all such activities are shared.

DEPARTMENT OF PSYCHOLOGY

ABOUT THE DEPARTMENT

The faculty members of the department of psychology have undertaken research in the field of psychology both at the national and international level. The faculty is actively engaged in research in Cognition, Life Span Developmental Psychology,

Health Psychology, Positive Psychology, Sports Psychology, Stress Disorders, Mental Training and Excellence, Clinical Psychology, Child Psychopathology, Behavioural Economics. Media Psychology, Organizational Psychology. The faculty has made valuable contributions to the discipline and have actively participated in and conducted youth development programs, police training, cognitive training, mental training, social welfare and organizational developmental programs, and so on. Besides executing its social responsibilities, the department has been attracting highly meritorious national and international students in its M.A, Post M.A. Diploma and Ph.D. Courses. The department has a well equipped departmental library, seminar room and a psychology laboratory.

FACULTY

Particulars	Name	Field of Research Specialization
Prof. Emeritus Psychology	Jitendra Mohan	Applied Psychology: Sports Psychology, Positive Psychology & Health Psychology
Professors	Anuradha Bhandari (Re-employed)	Child Psychopathology, Health Psychology, Life Span Developmental Psychology
	Meena Sehgal	Health Psychology, Organizational Behaviour, Positive Psychology
	Harpreet Kanwal Chhabra	Cognition: Experimental Cognitive Psychology, Behavioural Economics, Industrial Psychology, Organizational Psychology, Counselling
	Seema Vinayak (Chairperson)	Applied Psychology: Organizational Psychology, Media Psychology, Social Psychology, Cognition, Counselling, Clinical Psychology,
Assistant Professor	Roshan Lal	Social Psychology, Clinical Psychology

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	68+9 NRI +3 Foreign National	2 Years	Passed one of the following examinations from a recognized University: Bachelor's Degree obtaining 45% marks in Psychology OR 50% marks in aggregate from a recognized university or B.A. (Hons) with Psychology	Based on Merit
Post M.A. Diploma in Professional Counselling and Psychotherapy	23+3 NRI +1 Foreign National	1 Year	M.A. Psychology with 55% marks from a recognized university	Based on Merit
Ph.D.	Subject to availability	3-6 Years	See M.Phil/Ph.D. Prospectus 2019	

* 5% Concession is admission in eligibility marks to SC/ST/BC/PwD Candidates

Title of Syllabi : Detailed syllabi available at <http://puchd.ac.in/syllabus.php>

M.A.

Semester - I		Semester - II	
Paper-1	Theories and Systems-I	Paper-1	Theories and Systems of Psychology-II
Paper-2	Social Psychology-I	Paper-2	Social Psychology-II
Paper-3	Experimental and Cognitive Psychology-1	Paper-3	Experimental and Cognitive Psychology-II
Paper-4	Research Methodology and Statistics-1	Paper-4	Research Methodology and Statistics-II
Paper-5	Practicum-1	Paper-5	Practicum-II
Semester - III		Semester - IV	
Paper-1	Research Methodology and Statistics-I (Compulsory)	Paper-1	Research Methodology and Statistics-II (Compulsory)
Paper-2	Practicum Options (any three papers)	Paper-2	Practicum Options (any three papers)
Paper-1	Organizational Psychology-I	Paper-1	Organizational Psychology-II
Paper-2	Child Psychopathology-I	Paper-2	Industrial Psychology

Paper-3	Life Span Developmental Psychology-I	Paper-3	Clinical Psychology: Prevention and Intervention
Paper-4	Clinical Psychology: Psychodiagnosics	Paper-4	Sports Psychology-II
Paper-5	Clinical Disorders	Paper-5	Applied Counselling: Specialties in Practices of Counselling
Paper-6	Counselling Psychology: Professional Foundation	Paper-6	Applied Counselling: Educational and Career Counselling
Paper-7	Counselling Psychology: Approaches and Appraisal	Paper-7	Life Span Development Psychology-II
Paper-8	Sports Psychology-I	Paper-8	Child Psychopathology-II
Paper-9	Positive Psychology-I	Paper-9	Health Psychology-II
Paper-10	Health Psychology-I	Paper-10	Para Psychology
Paper-11	Media Psychology-I	Paper-11	Positive Psychology-II
Paper-12	Behavioural Economics	Paper-12	Media Psychology-II

Post M.A. Diploma in Professional Counselling and Psychotherapy

Semester - I		Semester - II	
Paper-1	Preparation for Counselling	Paper-1	School and Career Counselling
Paper-2	Assessment and Diagnosis	Paper-2	Marital and Family Counselling
Paper-3	Patterns of Maladaptive Behaviour	Paper-3	Treatment and Interventions
Paper-4	Problems and Issues of Exceptional Children	Paper-4	Addictive Disorders

THRUST AREAS: Pure and Applied Psychology: Cognition, Health Psychology, Clinical Psychology, Personality, Counselling, Psychological Testing, Sports Psychology, Positive Psychology, Media Psychology, Life Span Developmental Psychology.

PLACEMENT : M.A. Psychology students get successful placements with schools, colleges, universities, hospitals and NGOs.

ALUMNI RELATIONS: Department organizes an annual Alumni Meet. Alumni frequently visit the department for academic interactions with the students. Alumni have been instrumental in upgrading the infrastructure of the department and helping in the placement of students.

DEPARTMENT OF PUBLIC ADMINISTRATION

ABOUT THE DEPARTMENT

The Department of Public Administration, set up in 1961, has the distinction of being one of the first Public Administration Departments in the country. It has been actively engaged in quality teaching, research, training as well as consultancy in the applied fields of Public Administration.

The Department has excellent infrastructure for academic and research related activities. It has a well- equipped library, seminar room and computer laboratory with internet. The Department's Administrative Sciences Society organizes debates, educational tours and cultural activities.

The Department has produced more than 177 Ph.D.s; majority of the Ph.D. dissertations are survey-based focusing on the analysis and solutions of practical problems of administration in the Third World. The Department has also undertaken research projects and consultancies funded by prestigious agencies like UK-India Research Councils, Department for International Development (DFID), U.K.; Canadian International Development Agency, Commonwealth Youth Programme Asia, Shastri Indo-Canadian Program and University Grants Commission.

The alumni of the Department are well placed academics and administrators. The Department has successfully conducted training and Capacity Building Programmes for civil servants, non-teaching employees of the University and other educational/ research institutions of the region, executives of public enterprises and other government officials, besides organizing refresher courses and seminars on various aspects of Public Administration from time to time.

Website: www.publicadministration.puchd.ac.in

FACULTY

Designations	Name	Field of Research Specialization
Professors	B.S. Ghuman (On Leave)	Economic Administration; Public Enterprise Management including privatization; Poverty and Sustainable Development; Research Methodology; Educational Administration; E-Governance; Public Management; Decentralization; Public Policy; Regulatory Administration; Food Security

	Ramanjit Kaur Johal (Chairperson)	Public Policy; Comparative Public Administration; Administration of NGOs; Social Policy & Welfare Administration; Initiatives in Peoples' Participation; Management Information Systems and E-governance; Public Enterprise Management; Food Security
Assistant Professors	Navreet	Social Welfare Administration; Citizen Centric Governance; Financial Inclusion
	Bharati Garg	Educational Administration; Social Welfare Administration; Emerging Areas in Public Administration; NGOs; Public Policy; E-Governance; Local Governance, Health Administration, Food Security
	Bhawna Gupta	Public Enterprise Management; E-Governance; Educational Administration; Economic Administration, Health Administration, Food Security, Policy Analysis

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	60**+9 NRI +3 Foreign National	2 years	i) B.A. with Honours in the subject of the Post-Graduate Course; ii) Bachelor's degree obtaining at least 45% marks in the subject of Postgraduate course, or 50% marks in the aggregate. iii) The B.A. (Pass)/B.Sc. (Pass) Examination in full subjects, obtaining at least 45% marks in the elective subjects of the Post Graduate Course; iv) Master's degree examination in another subject or another faculty; v) B.A. (Pass) with 45% marks in Political Science or Economics or Sociology or Psychology.	On merit
M.Phil	10+2 NRI+2***	1 Year	See M.Phil/Ph.D Prospectus 2019	
Ph.D.	Subject to availability	3-5 Years	See M.Phil/Ph.D Prospectus 2019	
<p>* 5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates</p> <p>** Out of the total, 15 seats will be offered to the candidates who have studied related social sciences i.e. Economics, Political Science, Sociology, and Psychology at the graduation level.</p> <p>*** Reserved for the permanent teachers of affiliated colleges.</p>				

Title of Syllabi: (Detailed Syllabi is available on notice board online at <http://publicadministration.puchd.ac.in>).

THRUST AREAS: The thrust areas in the subject of Public Administration are Public Policy, Administrative Theory, Human Resource, Financial, Social and Economic Administration, administration of NGOs, Public Enterprise Management and Computer Applications. Apart from these, thrust areas of research include addressing global challenges of food security, education, health and renewable energy. The Department is also running training programmes for administrative effectiveness.

PLACEMENTS: The students are placed in the education, government, banking, insurance and various other sectors after clearing different competitive examinations like civil services, UGC NET, SSC, Internships etc.

ALUMNI RELATIONS: Among the alumni of this Department who are/were occupying high positions in various walks of life are Dr.M.S.Gill, Former Chief Election Commissioner, presently Minister of Sports; Dr.Dinesh Chandra, Former Additional Secretary, Government of India; Dr. G.S.Aujla, Additional Director General Police, Punjab; Sh. Jagjit Puri, IAS (Retd.); Dr. A. Didar Singh, IAS (Retd.), Secretary General, FICCI, New Delhi; Dr. Tilak Raj Sarangal, IAS (Retd.), Principal Secretary, Govt. of Punjab; Sh. Dinesh Malhotra, IAS, Managing Director, H.P. Tourism Development Corporation; University Teachers; and central and state government/public enterprise officials. The alumni of the Department are also well placed in various countries like Thailand, Nepal, Bangladesh, Iran, Kenya, Ethiopia etc.

DEPARTMENT OF SOCIOLOGY

ABOUT THE DEPARTMENT

The Department of Sociology, Panjab University was established in 1960. Recognizing its academic and research excellence, the University Grants Commission awarded the status of Special Assistance Programme to this department in 1977 which later was upgraded as Centre for Advanced Study. The Department runs teaching and research programs at M.A., M. Phil. and Ph.D. levels. It offers a wide spectrum of specialized courses in order to equip students to pursue specializations in areas of their interest. Course curriculum, regularly updated and revised, has both academic as well as societal relevance and incorporates contemporary debates on social issues. Research Methodology is a stronghold of the department. At any given point of time about half a dozen research scholars from different countries pursue their Ph.D. programme in the Department. The Department has a long tradition of holding National and International seminars, workshops and symposia. For the last 57 years the 'Wednesday Seminar' has been its hallmark bringing together scholars, professionals and social activists interested in sociologically relevant issues as initiators of discussions. The Faculty besides teaching and research is much sought after for extension and guest lectures in various Universities, Colleges and Organizations. Apart from Research Projects of academic nature, the faculty members have also been involved in various Policy/Programme support Research Projects from time to time. They have also been bringing out publications on various relevant social issues, over the years.

FACULTY

Designation	Name	Field of Research Specialization
Professors (Re-employed)	Sherry Sabbarwal	Development Studies, Entrepreneurship Behaviour, Women's Studies, Human Rights and Media & Culture
Professors	Rajesh Gill	Urban Studies, Research Methodology, Poverty and Slums, Gender Studies
	Kiran Preet Kaur	Sociology of Organization, Industrial Sociology, Entrepreneurial Studies
	Kumool Abbi	Cultural Studies, Gender Studies and Development Studies
Associate Professor	Rani Mehta (Chairperson)	Development Studies, Environment Studies Education and Population Studies.
Assistant Professors	Moniva Sarkar	Conflicts Studies, Gender Studies, Criminology, Social Stratification, Development Studies, Migration Studies
	Vinod Kumar	Environmental Crises and Development, Migration, Diaspora Urban Sociology, Population Studies and Women Studies

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	68+9 NRI +3 Foreign National	2 Years	Passed one of the following examinations from a recognized University: Bachelor's Degree obtaining at least 45% marks in the Sociology or 50% marks in the aggregate. OR B.A. (Hons) in the subject of Post graduate Course or B.Sc. (Hons.). OR Masters Degree examination in any other subject.	Based on Merit**
M.Phil.	15	1 Year	See M.Phil./Ph.D. Prospectus 2019	
Ph.D.	Subject to availability of seats	3-6 Years	See M.Phil./Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

** (i) Subject weightage will be given to candidates who have taken six full papers in Sociology in B.A. course

(ii) Weightage for Hons. (15%) in Sociology shall be given in case the candidate has studied ten papers (6+4=10)

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

M.A.

Semester-I		Semester-II	
All papers are Compulsory			
Course no.	Title	Course no.	Title
SOC R 411	History Of Social Thought	SOC R 425	Positivistic Sociological Theories (Compulsory)
SOC R 412	Sociology Of Family And Gender	SOC R 426	Methodology of Social Research (Compulsory)
SOC R 413	Sociology Of Development	SOC O 521	Population And Society
SOC R 414	Social Stratification: Concepts And Theories	SOC O 621	Social Dimensions Of Development
		SOC O 721	Sociology of Urban Settlements
		SOC O 821	Structural Moorings Of Gender Oppression
		SOC O 921	Peasants And Rural Society In India
		SOC O 922	Organizational Theory And Behaviour
		SOC O 923	Basic Social Statistics
Semester-III		Semester-IV	
SOC R 438	Interpretive Sociological Theories (Compulsory)	SOC R 440	Perspectives On Indian Society (Compulsory)
SOC R 439	Methods And Techniques In Social Research (Compulsory)	SOC O 543	Determinants and Consequences Of Population Growth
SOC O 532	Basic Methods In Population Studies	SOC O 544/744	Sociology Of Human Migration
SOC O 632	Social Development In India	SOC O 644	Environmental Crisis And Sustainable Development
SOC O 633	Rural Development In India	SOC O 645	Entrepreneurship And Development
SOC O 732	Problems Of Urban India	SOC O 743	Cities, Urban Planning And Development
SOC O 832	Family In Cross Cultural Perspective	SOC O 843	Family Dynamics In Contemporary India
SOC O 931	Sociology of Aging	SOC O 844	Gender And Development
SOC O 932	Organizational Structure and Development	SOC O 941	Fundamentals of Industrial Sociology
SOC O 933	Sociology of Deviance: Concepts and Theories	SOC O 942	Social Problems
SOC O 934	Sociology of Crime	SOC O 943	Political Sociology
SOC O 935/945	Dissertation	SOC O 944	Sociology Of Marginalized Communities
SOC O 936	Advanced Social Statistics	SOC O 945/935	Dissertation
SOC O 937	Sociology of Education	SOC O 946	Media And Culture

THRUST AREAS: Sustainable Development (in the context of Globalization, Information, Communication and Technology) Family and Gender Studies, Population, Health and Aging, Social Control and Deviance (with special reference to Activism, Terrorism and Cyber Crimes)

PLACEMENTS: We have set up a Placement Cell. Dr. Rani Mehta is the Coordinator of the Placement Cell. The Placement Cell coordinates with the Central Placement Cell, Panjab University and attempts to guide students for successful career placements in Academics, Industry and NGO's. It also guides students who want to pursue further research.

SCHOOL OF COMMUNICATION STUDIES

ABOUT THE DEPARTMENT

The School of Communication Studies at Panjab University was set up in 1941 at the University of Punjab, Lahore. The founding father of the School was Professor PP Singh who studied journalism in the University of Missouri, Columbia, USA. This makes the School of Communication Studies, the pioneer in journalism education in India. Presently, as per the Times Higher Education World University Rankings released on 5th September 2017, under the category Communication and Media Studies, SCS stand at 2nd position in India.

The School of Communication Studies has been awarded with the prestigious Chanakya award, for the 'Business Communication School of the Year (National) 2011-2012', by the Global Conclave of Public Relations Council of India and Indy's award for Excellence in Mass Communication in the year 2013 by the Stars of the Industry Awards.

Our faculty members have Research Fellowship, Projects, International Fellowship and International Best Research paper award to their credit and continue to act as consultants and trainers beyond the classroom. They are editors and serve as members of the editorial boards in Research Journals of repute. The part-time/visiting faculty of the School comprises of eminent, veteran and

award-winning reporters, columnists, authors, magazine editors, documentary filmmakers, and digital media specialists.

The School prepares the students to perform a vital and challenging function of searching for the truth in complicated situations, usually under a time constraint, and communicating it in a clear, engaging manner to the public through our Print Journalism course. It also prepares the students in other professional fields of Media Management, Advertising, Online Communication, Public Relations and Graphic Design. In addition, the School educates scholars of Communications and Journalism, and functions as a significant guiding force in Journalism and inculcates in students the habit of thinking of themselves as leaders for change and improvement in the profession.

The School strives to adapt to changes in the profession, to respond to new developments in the way news is delivered and to prepare students to work in different environments. The coursework and syllabi are regularly updated to be in tune with the latest industry trends. In over 70 years the school has produced alumni who work not only in traditional journalism careers as reporters, editors and broadcasters, but also are public relations executives, media entrepreneurs, advertising professionals, web publishers and journalism educators.

91.2 MHz, Jyotirgamaya, the CRS (Community Radio Station) of the Panjab University is being run by the School of Communication Studies. It was inaugurated on 13th February, 2011 and is acting as a unifying agent amongst the university faculty, students and also the community. The station proudly offers four broadcasts a day that include a total of nine programs running for over 10 hours. The CRS is recipient of a DST grant to run its special programme on Science for Women Health and Nutrition. The Public Relations Council of India awarded the special programme 'Hamari Beti' run by PU CRS. The PU Radio has collaborated with BBC Media Action Group and UNICEF to produce a programme for adolescents called, 'Full on Nikki'. The programme of Radio Jyotirgamaya can be heard for 10 kms radius.

An Educational Multimedia Research Centre (EMMRC) and a PU Centre for Media Studies (PUCMS) are on their way to be set up in the School of Communication Studies with the purpose of outreach activities.

FACULTY

Designation	Name	Field of Research Specialization
Professors	Sanjay Wadwalkar	Communication, Advertising, Development Communication, New Media
	Archana R. Singh (Chairperson)	Print Media, New Media, Health Communication, Media Management
	Mohanmeet Khosla	Print Media, New Media, Media Literacy
Associate Professor	Jayanth N. Pethkar	Public Relations, Radio & TV Communication, Sports Journalism, Corporate Communication
Assistant Professors	Sumedha Singh	Development Communication, Print Media
	Bhavneet Bhatti	Advertising & Public Relations, Feature Writing
Part Time Faculty	Professionals from various organizations including Print, Electronic Media, Public Relations & Advertising	

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A. (Journalism & Mass Communication)	30+5 NRI +2 Foreign National	2 Years	Passes one of the following examinations from a recognized University: Bachelor's degree in any discipline with 50% marks in the aggregate OR Bachelor's degree with at least 45 % marks in the subject of Journalism & Mass Communication OR Bachelor's degree with Hons. in the subject of Journalism & Mass Communication OR Master's degree examination in any other subject.	Based on PU-CET- (P.G.)** Entrance Test : 60% Qualifying Examination: 40%
PG Diploma in Advertising & Public Relations	15+2 NRI +2 Foreign National	1 Year	Bachelor's degree in any discipline from any recognized University with 50% marks in the aggregate OR Bachelor's degree with at least 45% marks in the subject of Journalism & Mass Communication OR Bachelor's degree with Hons. in the subject of Journalism & Mass Communication OR Master's degree examination in any other subject	Based on Aptitude Test***

PG Diploma in Journalism & Mass Communication	25	1 year	Passes one of the following examinations from a recognized University: Bachelor's degree in any discipline with 50% marks in the aggregate. OR Bachelor's degree with at least 45% marks in the subject of Journalism & Mass Communication OR Bachelor's degree with Hons. in the subject of Journalism & Mass Communication OR Master's degree examination in any other subject	Based on Aptitude Test ****
PG Diploma in Radio Production	25	1 Year	Passes one of the following examinations from a recognized University: Bachelor's degree in any discipline with 50% marks in the aggregate OR Bachelor's degree with at least 45% marks in the subject of Journalism & Mass Communication OR Bachelor's degree with Hons. in the subject of Journalism & Mass Communication OR Master's degree examination in any other subject	Based on Aptitude Test *****
Ph.D.	8	3-6 Years	See M.Phil./Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

**The total marks for Entrance Test are 75, which have been split up as under :

(i) Marks for Written Test	65
(ii) Marks for Group Discussion	5
(iii) Marks for Interview	5

The aggregate marks obtained above will be normalized to marks scored out of 60.

Notes: 1. Only those candidates will be called for Group Discussion & Interview, in order of merit, who have secured a minimum of 40% marks in the Written Test except in case of candidates belonging to Scheduled Castes/Scheduled Tribes who must secure a minimum of 35% marks.

2. The number of candidates called by the department for Group Discussion/Interview shall be five times the number of seats in each category if the number of candidates is very large.

3. Should any category not have five times the number of candidates then all the candidates in that particular category shall be called for Group Discussion and Interview.

4. The candidates called for Group Discussion and Interview will have to produce Detailed Marks Card (DMC) of the qualifying exam certificates in original on or before the final day of Group Discussion/Interview schedule, failing which they shall not be allowed to participate in the Group Discussion and Interview.

***The total marks for Aptitude Test are 100 Marks, which have been split as under:

(i) Marks for Written Test	90
(ii) Marks for Interview	10

**** The total marks for Aptitude Test are 100 Marks, which have been split as under:

(i) Marks for Written Test	90
(ii) Marks for Interview	10

Note: (1) S.No (a) and (b) will be held at the level of the department

(2) Applicants who score (40% for General Category Candidates and 35% for SC/ST Category Candidates) in the Aptitude Test will be called for the interview in the ratio 1:5.

The Diploma will be started subject to a minimum of 10 seats being filled.

***** The total marks for Aptitude Test are 100 Marks, which have been split as under:

(iii) Marks for Written Test	90
(iv) Marks for Interview	10

Note: (1) S.No (a) and (b) will be held at the level of the department

(2) Applicants who score (40% for General Category Candidates and 35% for SC/ST Category Candidates) in the Aptitude Test will be called for the interview in the ratio 1:5.

The Diploma will be started subject to a minimum of 10 seats being filled.

TITLES OF SYLLABI: Detailed syllabi available at <http://puhd.ac.in/syllabus.php>.

M.A.

Semester-I		Semester-II	
Paper-I	Introduction to Communication	Paper-I	Communication Theory
Paper-II	Basics of Print Journalism	Paper-II	Print Journalism
Paper-III	Growth & Development of Print & Broadcast Media	Paper-III	Editing and Design for Print Media
Paper-IV	Radio & TV Communication- I	Paper-IV	Radio & TV Communication-II
Paper-V	Media Ethics & Laws	Paper-V	Media Management
Practical	Student Reporter, Tele News Board, Broadcast Practical, Communication Theory Practical, Computer Applications	Practical	Student Reporter, Tele News Board, Broadcast Practical, Communication Theory Practical, Computer Applications

Semester-III		Semester-IV	
Paper-I	Advertising	Paper-I	Advertising
Paper-II	Public Relations	Paper-II	Public Relations
Paper-III	Media and Communication Research Methodology	Paper-III	Convergence Journalism
Paper-IV	Interpretative & Investigative Journalism	Paper-IV	Computer Mediated Communication
Paper-V	Development Communication	Paper-V	Inter-cultural Communication
Practical	Major Project Report, Minor Project Reports/ Position Papers, 1 project/Position Paper in each of the 5 papers, Computer Applications	Specialization/Optional Papers (any four options have to be taken)	
		Paper-VI	Advertising Copy Writing: Theories of Hopkins & Ogilvy
		Paper-VII	Corporate Communication
		Paper-VIII	Mobile and Social Media Journalism
		Paper-IX	Media Literacy
		Paper-X	Communication Skills
		Paper-XI	Dissertation Internship
PGD in Advertising & Public Relations			
Semester-I		Semester-II	
Paper I	Basics of Communication Media	Paper I	Fundamentals of Design and Laws
Paper II	Advertising	Paper II	Advertising
Paper III	Public Relations	Paper III	Public Relations
Practical	Advertising, Public Relations	Practical	Advertising, Public Relations, Project Work, Industry Visit
Post-graduate Diploma in Journalism & Mass Communication			
Semester - I		Semester - II	
Paper I	Communication: Theories and Models	Paper I	Media Ethics & Laws
Paper II	Growth & Development of Media Industry	Paper II	Advertising
Paper III	Print Journalism	Paper III	Public Relations
Paper IV	Radio & TV Journalism	Paper IV	Media Management
Paper V	Practical: Student Reporter, Tele News Board, Broadcast Practical, Communication Theory Practical, Computer Applications	Paper V	Practical: Media Ethics, Advertising, Public Relations, Media Management, Computer Applications
Paper VI	Project Report	Paper VI	Internship
Post-graduate Diploma in Radio Production			
Semester - I		Semester - II	
Paper I	Communication Theories and Models	Paper I	Pre-production
Paper II	Radio: Role, Reach & Relevance	Paper II	Production
Paper III	Sound and its Applications	Paper III	Post-production
Paper IV	Grammar & Formats	Paper IV	Ethics and Laws
Paper V	Practical	Paper V	Practical
Paper VI	Project	Paper VI	Internship

THRUST AREAS: Print Media, Advertising, Public Relations, Media Management, Broadcast Media and Communication Research Methods.

PLACEMENTS: SCS has a Faculty member who acts as the Placement Coordinator and arranges for organizing the tests and interviews for the purpose of Placement in SCS.

ALUMNI RELATIONS: SCS holds regular alumni meets and organizes formal and informal interactions with the alumni.

DEPARTMENT-CUM-CENTRE FOR WOMEN'S STUDIES AND DEVELOPMENT

ABOUT THE DEPARTMENT

The Department-cum-Centre for Women's Studies and Development was originally set up as a Centre for Women's Studies and Development in 1987. It was one of the first Five Centres set up by the University Grants Commission. On the basis of its excellent performance, it was one of the six Centres placed in Phase III by the UGC. The Department seeks both to interpret women's experiences as well as to change women's condition, through a transformation of consciousness, social norms and modes of action. It visualizes itself as a catalyst to transform an unjust, inequalitarian society into one where gender justice and equality would be the norm.

The aim is to create and maintain a teaching/learning environment for feminist and gender studies, and provide an impetus for sustaining a research community that contributes to the development of women's and gender scholarship within the two-third world/Indian context. The prime objectives are to create awareness, to intellectually equip students and to empower all. Teaching, Research, Training, Extension, Dissemination, Lobbying and Advocacy are the core activities. It serves as a resource and nodal Centre for the region and true to its mandate, has developed as a strong academic Centre of teaching and learning, generating new thinking and knowledge on feminist theory and initiating courses in women's studies. The Department has also introduced Master's in Governance and Leadership from the year 2017.

FACULTY

Designation	Name	Field of Research Specialization
Prof. Emeritus	Pam Rajput	Women & Politics; Women's Human Rights;
Professor	Manvinder Kaur	Women & Development, Women & Law Women and Culture; Feminist Theory;
Assistant Professors	Ameer Sultana	Women and Development/Human Rights
	Rajesh Kumar Chander (Chairperson)	Women's Movement; Women and Health; Violence against Women; Women and Politics Feminist Research Methodology; Women and Entrepreneurship; Marginalized Women, Violence against Women

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	30+2 NRI +2 Foreign National	2 Years	Passed one of the following examinations from a recognized University: Bachelor's degree in any faculty with at least 50% marks in the aggregate. OR B.A. (Hons.) in Women Studies OR B.Sc. (Hons.). OR Master's Degree in any faculty. OR B.A. (Pass) with at least 45 % marks in Women's Studies/Gender Studies / Public Administration / Political Science / History / Economics / Sociology / Psychology / Gandhian Studies/Geography/Philosophy / Human Rights & Duties/ Literature (Hindi, English, Punjabi)	Based on Merit Subject Weightage & Hons. Weightage shall be give in any one of the following Subjects: B.A. with Hons. Degree in Women's/ Gender Studies/Public Administration/Political Science/History/Gandhian Studies/Sociology/Economics/ Psychology/ Geography/ Human Rights & Duties/ Philosophy/Literature (Hindi, English, Punjabi)
PG Diploma in Women's Studies	15+2 NRI +1 Foreign National	1 Year	Bachelor's Degree in any faculty with at least 50% marks in the aggregate from a recognized University OR B.A. (Pass) with at least 45% marks in Womens/Gender Studies/ Public Administration / Political Science/ History/Economics/ Sociology/Psychology/ Gandian Studies/Geography/Philosophy.	Based on Merit
M.A. . in Governance & Leadership	25 + 10 sponsored Seats (Sponsors Could be any organization attempting to provide specialized training to their future leaders +3 NRI +1 Foreign National	2 Years	Graduation in any discipline with at least 45% marks in Human Rights / Police Administration/Gandhian Studies/ Political Science/Women's Studies/ Public Administration/Sociology / Economics/History/Geography/Psychology OR 50% marks in the aggregate OR M.A. in any discipline	Based on Merit Subject Weightage & Hons. Weightage shall be give in any one of the following Subjects: B.A. with Hons. Degree in Women's/Gender Studies/Public Administration / Political Science/ History/Gandhian Studies/Sociology / Economics/Psychology/ Geography/Human Rights & Duties/ Philosophy/ Literature (Hindi, English, Punjabi)

Certificate Course in Governance and Leadership	15+2 NRI +1 Foreign National	03 months	Graduation in any discipline with at least 45% marks in Human Rights / Police Administration/ Gandhian Studies / Political Science/Women's Studies/ Public Administration/Sociology/ Economics/History / Geography / Psychology OR 50% marks in the aggregate OR M.A. in any discipline.	Based on Merit
Ph.D.	01	3-6 Years	See M.Phil/Ph.D. Prospects 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLE OF SYLLABI (Detailed course curriculum is available at (<http://puhd.ac.in/syllabus.php>)

M.A. (Women Studies)

Semester-I		Semester-II	
Paper-1	Conceptualizing Women's Studies	Paper-1	Feminism : An Indian Perspective
Paper-2	Women's Movement in India	Paper-2	Emerging Trends in Research Methodology
Paper-3	Feminist Theory	Paper-3	United Nations and Women's Issues
Paper-4	Basic of Social Research	Paper-4	Optional Paper (i) Field Project OR (ii) Women and Environment
Semester-III		Semester-IV	
Paper-1	Women and Law-I	Paper-1	Women and Politics
Paper-2	Women and Development	Paper-2	Women and Law-II
Paper-3	Women and Human Rights	Paper-3 & 4	Opt any two papers (i) Women and Work (ii) Women and Health (iii) Women and Media OR Dissertation in lieu of two papers
Paper-4	Opt any one paper: (i) Women and Management (ii) Women and Entrepreneurship (iii) Training in Practical Skills (iv) Women, Science and Technology		
P.G. Diploma in Women's Studies		Semester-II	
Semester-I		Semester-II	
Paper-1	Introduction to Women's Studies	Paper-1	Theories of Feminism
Paper-2	Women's Movement in India	Paper-2	United Nations and Women's Human Rights
Paper-3	Status of Women in India	Paper-3	Women's Development & Work in India
Paper-4	Introduction to Research Methodology	Paper-4	Women and Legal Protection

M.A. In Governance and Leadership

Objectives: The Course, one of its kind aims to impart knowledge about core leadership competencies in an interdisciplinary framework. It also focuses on the manner in which leadership and governance skills can be developed to create a cadre of responsible, responsive, committed and sensitive leaders. It is dedicated to train people who are capable of handling national and global assignments; are adept at countering emerging national and global challenges, have an in depth understanding of the issues that plague humanity and who can truly lead from the front.

SEMESTER-I	SEMESTER-II
Paper-1 Conceptualizing Governance Paper-2 Leadership Skills Paper-3 Legislative Structures & Processes Paper-4 Human Resource Management	Paper-1 Public Policy Paper-2 Research Methodology Paper-3 Political Parties & Electoral Process Paper-4 Practical Skills in Governance & Leadership
SEMESTER-III	SEMESTER-IV
Paper-1 Ethics in Governance Paper-2 Financial Management Paper-3 Project Management Paper-4 Opt any one paper: Campaign Management Or Conflict Resolution	Paper-1 Gender Equality & Human Rights Paper-2 Citizenship Paper-3 & 4 Project or Internship

In addition to the Masters Programme in Governance & Leadership, Short term Certificate Course/s have been started:

Certificate Courses in Governance and Leadership

Certificate in Citizenship

Certificate in Financial Management in Public Affairs

Certificate in Leadership Skills

Certificate in Campaign Management

Certificate in Practical Skills in Areas such as Media Skills, Public Speaking, Campaign Strategies, Handling

Conflicts Ethics in Public Policy

THRUST AREAS: In an era of globalization, interdisciplinary courses are the need of the hour and women's studies course is trying to meet the need. Moreover, field based studies enable the students to develop gender responsive approach towards society. Emerging challenges like gender based violence and commodification of women, portrayal of women in media and literature are also dealt with.

PLACEMENTS: Our students get jobs in Education and Research sector; Government Agencies such as Department of Women and Child Development, Social Welfare Department; NGOs; International Bodies working on Gender Issues.

ALUMNI RELATIONS: The Alumni is collaborating with the Department in organizing academic and extension activities for women's development and empowerment on a regular basis.

A whatsapp group named "Nayii Soch" has been created as a discussion group to disseminate information, brainstorm on issues relating to women and gender and it keeps all alumni updated about the activities of the Department.

CENTRE FOR THE STUDY OF SOCIAL EXCLUSION AND INCLUSIVE POLICY

ABOUT THE CENTRE

CSSEIP was established in 2007 under Section 12 (B) of the UGC Act, 1956.

Vision

The centre will make efforts to create opportunities for quality higher education, intellectual reflection and to raise moral and ethical standards.

Mission

The Centre will make determined efforts to create intellectual environment in the spirit of critical insights and rational inquiry and to disseminate knowledge.

Centre focus on the following issues:

- Conceptualizing discrimination, exclusion and inclusion based on caste/ethnicity and religion.
- Developing understanding of the nature and dynamics of discrimination and exclusion.
- Contextualizing and problematizing discrimination, exclusion and inclusion
- Developing and understanding of discrimination at an empirical level.
- Formulating policies for protecting the rights of these groups and eradicating the problem of exclusion and discrimination.

FACULTY

Designation	Name	Specialization
Director	Emanuel Nahar	Dalit and Minority Politics
Research Associate	Dr. Kanchan Chandan	Gender Studies

COURSES OFFERED

Course	Seats	Duration	Eligibility
M.Phil	15	1 year	See M.Phil/Ph.D Prospectus 2019
Ph.D	Subject to availability	3-6 years	See M.Phil/Ph.D Prospectus 2019

TITLE OF SYLLABI

M.Phil

Semester I	Semester II
Paper I Social Exclusion Studies & Introduction Paper II Minorities and Marginalized Groups in India: Inclusive-Policies Paper III Research Methodologies in Social Methods	Paper IV Project Work based on Field Study Paper V Dissertation

II. FACULTY OF BUSINESS MANAGEMENT AND COMMERCE UNIVERSITY BUSINESS SCHOOL

ABOUT THE SCHOOL

University Business School (Formerly Department of Commerce and Business Management) was established in 1962 and has been imparting quality management education to develop dedicated, innovative and effective managers, researchers and teachers for more than 50 years. In 1995, the Department of Commerce and Business Management was renamed as University Business School by the Panjab University in recognition of its completeness and maturity with a view to give it a distinct identity. On October 06, 2018- the UBS celebrated the Golden Jubilee of the commencement of the MBA program at UBS, Panjab University, Chandigarh.

The philosophy of Management Education at University Business School is built on an integrative value system. It is motivated by duty bound work ethics, humane approach and scientific temper. Modern attitude, practical wisdom, knowledge and skills, relevant for management are deeply ingrained in the students. The philosophy of the School is translated into the mission of creating wholesome personality of graduating MBA students with a view to produce effective and efficient managers, researchers and teachers.

With effect from the Batch of 2019-2021, the MBA programs at UBS would be offered under the Honours School System that has been approved by the Academic Council of P.U. in June 2018.

The School uses rigorous multi-faceted pedagogy approach with an effective interface with the industry to translate this mission into action. It creates opportunities for its students to enhance their understanding of economic, social and political environment to enlarge their ability not only to adjust to change but to become a catalyst, and to develop their power to conceptualize, decide and communicate. The School, through its integrative approach, inculcates human values in addition to managerial attitude, knowledge and skill.

The thrust of MBA, MBA-International Business (IB) and MBA-Human Resource Management (HR) is on producing managers for different functional areas.

M.Com. (Hons.) aims at producing Commerce professionals and teachers.

Ph.D. aims at producing researchers in management and commerce.

The School also conducts MBA for Executives (MBAfEX) programme for the serving professionals in and around Chandigarh for sharpening their managerial skill.

The syllabus of the different MBA programs offered at UBS has been revised and new subjects like Digital Marketing, Data Analytics, Corporate Social Responsibility, Integrating E-Systems and Global Information Systems, have been introduced, and Major Project has been added.

Achievements and Programmes

The faculty of University Business School has been trained in India and abroad and has earned international recognition in the industry and academia. The students graduating from the School have made a mark in the world of management, research and teaching all over the world.

The School has been identified by the University Grants Commission and All India Council for Technical Education for organizing Refresher Courses, Training Programmes and Induction Programmes in Management for University and College teachers. Management Development, consultancy and research in all the areas of management is given high priority at the School.

FACULTY

Designation	Name	Field of Research Specialization
Prof. Emeritus Professors	T.N. Kapoor	Organisational Behaviour; Strategic Management; General Management
	Dinesh K. Gupta	Finance & Accounting; General Management; Human Resource Management.
	Meenakshi Malhotra	Human Resource Management/Organisational Behaviour/Industrial Relation; General Management
	A.K. Vashisht	Finance & Accounting/Banking; General Management
	Suresh K. Chadha	Marketing; International Business
	Deepak Kapur (Chairperson)	Strategic Management, International Business

	Smriti Sood	Marketing; General Management; Resource Management
	Manoj K. Sharma	Business Economics; Human Resource Management
	Anupam Bawa	Marketing; Strategic Management
	B.B. Goyal	Marketing; General Management
	Sanjay Kaushik	Human Resource Management/Organisational Behaviour/Industrial Relation; General Management; Banking
	Suveera Gill	Finance & Accounting/Banking; General Management
	Karamjeet Singh	Finance & Accounting/Banking; General Management
	Parmjit Kaur	Finance & Accounting/Banking; General Management
	Meena Sharma	Finance & Accounting/Banking; General Management
	Gunmala Suri	General Management; Quantitative Techniques; Operation Research, Statistics and Research Methodology; Operation Management; Information Technology and E.Commerce/Knowledge Management
	Navdeep Kaur	General Management; International Business
	Luxmi	Human Resource Management Organisational Behaviour/Industrial Relation General Management
Associate Professors	Purva Kansal	Marketing General Management
	Tejinderpal Singh	Marketing; E-Commerce
Assistant Professors	Monica Bedi	Marketing; International Business
	Rupinder Bir Kaur	Human Resource Mgmt.; General Management
	Tilak Raj	Business Economics; General Management
	Neha Gulati	Computer; General Management
	Kulwinder Singh	Business Economics; General Management
	Pooja Soni	Statistics Operation Research

COURSES OFFERED (SEMESTER SYSTEM)

Courses	Seats	Duration	Eligibility *	Admission Criteria***
#MBA	64+9NRI +3 Foreign National	2 Years	Bachelor's Degree in any stream with not less than 50% marks in aggregate from a recognized University **.	Based on CAT 2018 Calculation of Merit: CAT Score: 85% Group Discussion: 7.5% Personal Interview: 7.5%
#MBA (Inter- national Business)	30+4NRI +2 Foreign National	2 Years	OR A pass in the final examination conducted by the (a) Institute of Chartered Accountants of India or England OR (b) Institute of Cost and Works Accountants of India or England OR (c) Institute of Company Secretaries of India OR AMIE Examination with 50% marks or more after having passed the diploma examination with 60% marks or above and have at least 5 years research/ teaching or professional experience.	
#MBA (Human Resource)	30+4NRI +2 Foreign National	2 Years		
#MBA Entre- preneurship	25+3NRI	2 Years		
#MBAFEX	30+3NRI +2 Foreign National	2 Years	(i) Bachelor's Degree in any stream with not less than 50% marks in aggregate from a recognized University** OR a pass in the final examination conducted by the Institute of Chartered Accountants of India or England/ Institute of Cost Accountants of India or Chartered Institute of Management Accountants of England/ Institute of Company Secretaries of India; OR Diploma in Personnel Management and Labour Welfare or Diploma in Marketing Management with not less than 60% marks in the aggregate, provided the candidate holds a Bachelor's degree.	

			(ii) Two years whole time executive experience in a commercial or industrial establishment after having passed the qualifying examination as given above. Members of All India or State Administrative/ Technical Services and Defence Personnel holding administrative positions with not less than two years of executive experience will also be eligible. No objection certificate from the organization, where the candidate is employed is essential. The cut-off date for considering the executive experience of two years will be 31st July of the year for which admission is sought by the candidate.	
# M.Com. (Hons.)	27+3NRI +1 Foreign National	2 Years	B.Com./B.Com. Hons.)/ BBA with not less than 45% marks in the aggregate; OR a Graduate with Honours in Economics or Mathematics or Statistics or Commerce with not less than 45% marks in the aggregate OR a Graduate with 50% marks in the aggregate having offered Economics, Mathematics, Statistics, Commerce, Computer Application, Information Technology or Computer Science as a subject in the examination**. OR a pass in the final examination conducted by the Institute of Chartered Accountants of India or England/Institute of Cost and Works Accountants of India or England /Institute of Company Secretaries of India OR any other qualification recognized by the Syndicate for this purpose.	Based on CET (PG) Calculation of Merit: CET(PG): 85% Group Discussion: 7.5% Personal Interview: 7.5%
Ph.D	20+1****	3-6 Years	See M.Phil/Ph.D. Prospectus 2019	
<p>#Under Honours School System at UBS w.e.f. 2019-2021 Batch</p> <p>*5% Concession is admissible in eligibility requirement to SC/ST/BC/PwD candidates</p> <p>**Provided that in case of candidates having Bachelor's degree of the University through Modern Indian Languages [Hindi/Urdu/Punjabi(Gurumukhi script)] and/or in a Classical Language (Sanskrit/Persian/Arabic) or degree of any other University obtained in the same manner recognized by the Syndicate; 50% marks in the aggregate shall be calculated by taking into account full percentage of marks in all the papers in Language excluding the additional optional papers English and Elective subject taken together</p> <p>*** The candidates will be called for Group Discussion and Personal Interview on the basis of their score in the CAT subject to the condition that they secure a minimum 10% score (5% in case of SC/ST/BC/PwD candidates) in each component of CAT.</p> <p>NRI candidates not residing in India and thereby unable to avail of the above admission process will be required to submit valid score of GMAT, which will be treated at par with the combined score of Written Test (CAT), Conducted by IIM, Group Discussion and personal interview conducted by University Business School, Panjab University, Chandigarh.</p> <p>**** one seat reserved for regular teachers of PU campus and affiliated colleges to Panjab University/UGC Rajiv Gandhi National Fellow/Sponsored Foreign Students holding valid research visa under ICCR</p>				

TITLE OF SYLLABI: Detailed Course Curriculum is available at www.puchd.ac.in/syllabus.php

MBA (Under Honours School System at UBS w.e.f. 2019-2021 Batch)

Semester-I	Semester-II
Business Economics Business Statistics Management Accounting Organisational Behaviour Marketing Management Workshop on Business Computing Workshop on Business Research	Business Environment Human Resource Management Operations Management Financial Management Legal Aspect Of Business Summer Training Report and viva-voce* Comprehensive viva-voce** Workshop on Business Communication Workshop on Multivariate Statistical Techniques

*At the end of the examination of 2nd Semester the students will undergo compulsory summer training for a period of 6-8 weeks. Every student will submit the Summer Training Report within two weeks from the start of teaching for 3rd Semester.

**Comprehensive Viva-Voce of 2nd Semester would be based on papers taught in 1st and 2nd Semester.

Semester-III	Semester-IV
Strategic Management Student are to opt for two groups out of the groups offered. And further in one group opted by them they are to opt for three papers out of the papers offered. In the other group they are to opt for two papers out of the papers offered.	Comprehensive Viva-Voce **** Human Values and Business Ethics Major Project # Student to continue with the two groups opted by them in third semester and further in each group opted by them they are to opt for two papers out of the papers offered.
Group A: Entrepreneurship and General Management Entrepreneurial Development and New Enterprise Management Entrepreneurial Finance Infrastructure and Project Finance Tax Planning for Entrepreneurs Investing in Private Equity Marketing for Entrepreneurship Legal and Government Policy consideration in new enterprise	Group A: Entrepreneurship and General Management Managing Strategic Implementation and Business Transformation Managing Teams Managing Global Enterprise Organisation Structure and Design
Group B: Finance Financial Statement Analysis Financial Engineering Management of Financial Services Investment Management Management Control Systems Project Planning, Analysis and Management Corporate tax planning	Group B: Finance Strategic Cost Management International Financial Management Behavioral Finance Corporate Governance
Group C: Information Technology & Operations Management Mobile Commerce Product Innovation in Technology Business Business Process Re-Engineering Systems Analysis and Design Enterprise Resource Planning Management Information Systems Integrating e-systems and Global Information system	Group C: Information Technology and Operations Management Knowledge Management Management of Technology Business Intelligence Total Quality Management
Group D: Marketing Advertising and Consumer Behaviour Global Marketing Management Marketing Research and Product Management Global Supply Chain Management Industrial and Rural Marketing Data Analytics for Business Digital Marketing and Retail Management	Group D: Marketing Marketing of Services Workshop on Foreign Trade Documentation and Trade Finance Customer Relationship Management and Sales Management Application of Accounting and Finance in Marketing
Group E: Human Resource Management Labour Legislation-I Strategic Human Resource Management Performance and Compensation Management Organisation Development Workshop on Training and Development Comparative Industrial Relations Managing Corporate Social Responsibility	Group E: Human Resource Management Human Resource Information system Personal Effectiveness and Leadership Workshop on Management of discipline and disciplinary proceedings Labour Legislation -II
**** Comprehensive Viva-Voce of the 4th Semester would be based on papers taught in 3rd and 4th semester. #Major Project would commence in 3rd semester but final marks would be awarded in 4th semester.	

MBA (IB)(Under Honours School System at UBS w.e.f. 2019-2021 Batch)**MBA (IB)**

Semester-I	Semester-II	Semester-III	Semester-IV
Organisational Behavior and International Human Resource Management	International Business Environment	Global Strategic Management	Cross Cultural Issues and International Business Negotiations
Marketing Management	International Financial Management	Global Supply Chain Management	International Brand Management
Business Statistics	Workshop on Foreign Trade Documentation and Trade Finance	International Business Law	Comprehensive viva-voce
Management Accounting	Operations Research	Workshop on Sectoral Strategies for Exports	Foreign Language - French
Seminar on Foreign Trade Policy and Management	Global Marketing Management	Seminar on International Marketing Research	Seminar on WTO and International Trade Policies
Seminar on Micro economics	Summer Training and viva-voce	Foreign Language - French	Major Project#
Workshop on Business Computing	Comprehensive viva-voce	Any two of following:	Any two of the following:
Workshop on Business Research	Workshop on Business Communication	Seminar on Project Planning and Analysis	International Banking
	Workshop on Multivariate Statistical Techniques	Seminar on Corporate Restructuring and Re-engineering	Technology and Strategic Consulting
		Seminar on Entrepreneurship Management	International Accounting
		Seminar On Regional Economic Groupings	Total Quality Management
			Digital Marketing

*At the end of the examination of 2nd Semester the students will undergo compulsory summer training for a period of 6-8 weeks. Every student will submit the Summer Training Report within two weeks from the start of teaching for 3rd Semester.

**Comprehensive Viva-Voce of 2nd Semester would be based on papers taught in 1st and 2nd Semester.

***Comprehensive Viva-Voce of 4th Semester would be based on papers taught in 3rd and 4th Semester.

Major Project would commence in Third Semester, but final marks would be awarded in Fourth Semester.

MBA (HR)

Semester-I	Semester-II	Semester-III
Economics for Human Resources	Labour Legislation-I	Labour Legislation-II
Business Environment	Industrial Relations and Labour Policy	Strategic Human Resource Management
Human Resource Management	Marketing Management	Performance and Compensation Management
Management Accounting	Production Management and Quantitative Techniques	Organisation Development
Organisational Behaviour	Summer Training and Viva-Voce	Workshop on Training and Development
Workshop on Business Computing	Comprehensive Viva-Voce	Workshop on Negotiating Skills and Participative Decision Making
Workshop on Business Research	Seminar on Management of Change	Seminar on Social Security and Labour Welfare
	Seminar on Human Resource Planning	
	Workshop on Qualitative Research	
	Workshop on Business Communication	

SEMESTER-IV

Human Resource Information System Personal Effectiveness and Leadership Workshop on Management of Discipline and Disciplinary Proceedings Comprehensive viva-voce**** Major Project # Seminar on Ethics and Conduct of Business Seminar on Interpersonal Skills and Transactional Analysis Managing Corporate Social Responsibility	Any one of the following out of the papers offered: Workshop on Human Resource Valuation Total Quality Management Stress Management Designing Organizations for Uncertain Environment Dynamics of Trade Unions Emotional Intelligence and Managerial Effectiveness Comparative Industrial Relations Managerial Competencies and Career Development Workshop on Building Learning Organisations Industrial Engineering Workshop on Secretarial Practice
<p>*At the end of the examination of 2nd Semester the students will undergo compulsory summer training for a period of 6-8 weeks. Every student will submit the Summer Training Report within two weeks from the start of teaching for 3rd Semester.</p> <p>**Comprehensive Viva-Voce of 2nd Semester would be based on papers taught in 1st and 2nd Semester.</p> <p>****Comprehensive Viva-Voce of 4th Semester would be based on papers taught in 3rd and 4th Semester.</p> <p># Major Project would commence in Third Semester, but final marks would be awarded in Fourth Semester.</p>	

"MBA (Entrepreneurship)(Under Honours School System at UBS w.e.f. 2019-2021 Batch)

Semester-I	Semester-II
Business Economics Business Statistics Management Accounting Organisational Behaviour Marketing Management Workshop on Business Computing Workshop on Business Research	Business Environment Human Resource Management Operations Management Financial Management Legal aspect of business Summer training report and viva-voce* Comprehensive viva-voce** Workshop on business communication Workshop on multi variate statistical techniques
<p>*At the end of the examination of 2nd Semester the students shall undergo compulsory summer training for a period of 6-8 weeks. Every student would be required to submit the Summer Training Report within two weeks from the start of teaching for 3rd Semester.</p> <p>**Comprehensive Viva-voce of 2nd Semester would be based on papers taught in 1st and 2nd Semester.</p>	

Semester III	Semester-IV#
Strategic Management	Comprehensive Viva-Voce**** Human Values and Business Ethics *Major Project Entrepreneurship Business Plan ***
Students are required to opt for atleast three papers out of following papers offered and another two papers from different groups offered selecting atleast one paper from any two of the following three group:-	Students are required to select any two out of the following papers offered. In addition, the students would continue with the two groups opted by them in Third Semester And further in each group opted by them they are to opt for atleast one paper out of the paper offered
Entrepreneurial Development and New Enterprise Management Entrepreneurial Finance Infrastructure and Project Finance Tax Planning for Entrepreneurs Investing in Private Equity Marketing for Entrepreneurship Legal and Government Policy Considerations in New Enterprise Group A: Finance Investment Management Management Control Systems Project Planning, Analysis & Management	Managing Strategic implementation and Business Transformation Managing Teams Managing Global Enterprise Organisation Structure and Design Group A: Finance Strategic Cost Management International Financial Management Behavioral Finance Corporate Governance

Group B: Information Technology & Operations Management Product Innovation in Technology Business Business Process Re-engineering Integrating E-Systems and Global Information Systems	Group B: Information Technology & Operations Management Knowledge Management Management of Technology Business Intelligence Total Quality Management
Group C: Marketing: Marketing Research & Product Management Data Analytics for Business Digital Marketing and Retail Management	Group C: Marketing Marketing of Services Workshop on Foreign Trade Documentation and Trade Finance Application of Accounting and Finance in Marketing
<p>****Comprehensive Viva-Voce of 4th Semester would be based on papers taught in 3rd and 4th Semester. ***The Entrepreneurship Business Plan shall commence in the Third Semester and final marks would be awarded in the fourth Semester. # Students would be expected to undertake Assignments/Projects related to Entrepreneurship in the different subjects taught to them particularly in the 3rd and 4th Semester. # Major Project would commence in 3rd Semester, but final marks would be awarded in the 4th Semester.</p>	
M.Com (Hons)(Under Honours School System at UBS w.e.f. 2019-2021 Batch)	
Semester -I Organisational Behaviour Business Economics Business Statistics Business Finance Business Computing Business Environment Workshop on Business Communication Workshop on Business Research	Semester-II Marketing Management Human Resource Management Operations and Material Management Management Information Systems Management of Financial Services Summer Training and viva-voce* Seminar on Accounting Theory and Practice Seminar on Microfinance Management
<p>*At the end of the examination of 2nd Semester the students will undergo compulsory summer training for a period of 6-8 weeks. Every student will submit the Summer Training Report within two weeks from the start of teaching for 3rd Semester</p>	
Semester-III Business Strategy Advanced Auditing Seminar on Corporate Restructuring Workshop on Teaching Theory and Practice Choose any two subjects each from any two Groups of opted in Electives out of the offered Groups Group I: Accounting-I Strategic Cost Management International Accounting Forensic Accounting Group II: Finance -I International Financial Management Investment Management Behavioral Finance Group III: Banking and Insurance-I Bank Management Insurance Management Microfinance and Rural Credit Group IV: Business Law -I Socio-Economic Environmental Laws Industrial Laws Marketing Laws Group V: Entrepreneurship and Family Business-I Entrepreneurial Development and New Enterprise Management Entrepreneurial Finance Legal and Government Policy considerations in new enterprise.	Semester-IV Corporate Governance Corporate Tax Planning Comprehensive Viva-Voce **** Major Project # To continue with the same two Groups of Electives of the 3rd Semester Group I: Accounting-II Management Control Systems Financial Statement Analysis Group II: Finance-II Project Planning, Analysis and Management Financial Engineering Group III: Banking and Insurance II International Banking Actuarial Practice Group IV: Business Law II Intellectual Property Laws E-Security and Cyber Laws Group V: Entrepreneurship and Family Business II Marketing for Entrepreneurship Managing Strategic Implementation and Business Transformation
<p>****Comprehensive Viva-Voce of 4th Semester would be based on papers taught in 3rd and 4th Semester. # Major Project would commence in Third Semester, but final marks would be awarded in Fourth Semester.</p>	

MBAfEX (Under Honours School System at UBS w.e.f. 2019-2021 Batch)

Semester-I	Semester-II
Business Economics Business Statistics Management Accounting Organisational Behaviour Marketing Management Workshop on Business Computing Workshop on Business Research	Business Environment Human Resource Management Operations Management Financial Management Legal Aspect of Business Comprehensive viva - voce** Workshop on Business Communication Workshop on Multivariate statistical Techniques
**Comprehensive Viva-Voce of 2nd Semester would be based on papers taught in 1st and 2nd Semester.	
Semester III	Semester-IV
Strategic Management Student are to opt for two groups out of the groups offered. And further in one group opted by them they are to opt for three papers out of the papers offered. In the other group they are to opt for two papers out of the papers offered.	Comprehensive viva-voce**** Human Values and Business Ethics Students to continue with the two groups opted by them in third semester. And further in one group opted by them they are to opt for three papers out of the papers offered. In the other group they are to opt for two papers out of the papers offered.
Group A: Entrepreneurship and General Management Entrepreneurial Development and New Enterprise Management Entrepreneurial Finance Infrastructure and Project Finance Tax Planning for Entrepreneurs Investing in Private Equity Marketing for Entrepreneurship Legal and Government Policy consideration in new Enterprise Group B: Finance Financial statement analysis Financial engineering Management of financial services Investment Management Management Control Systems Project Planning, Analysis and Management Corporate Tax Planning Group C: Information Technology & Operations Management Mobile Commerce Product Innovation in Technology Business Business Process Re-Engineering Systems Analysis and Design Enterprise Resource Planning Management Information Systems Integrating E-System and Global Information System Group D: Marketing Advertising and Consumer Behavior Global Marketing Management Marketing Research and Product Management Global Supply Chain Management Industrial and Rural Marketing Data Analytics for Business Digital Marketing & Retail Management Group E: Human Resource Management Labour Legislation-I Strategic Human Resource Management Performance and Compensation Management Organization Development Workshop on Training and Development Comparative Industrial Relations Managing Corporate Social Responsibility	Group A: Entrepreneurship and General Management Managing Strategic Implementation and Business Transformation Managing Teams Managing Global Enterprise Organisation Structure and Design Group B: Finance Strategic Cost Management International Financial Management Behavioral Finance Corporate Governance Group C: Information Technology and Operations Management Knowledge Management Management of Technology Business Intelligence Total Quality Management Group D: Marketing Marketing of Services Workshop on Foreign Trade Documentation and Trade Finance Customer Relationship Management and Sales Management Application of Accounting and Finance in Marketing Group E: Human Resource Management Human Resource Information System Personal Effectiveness and Leadership Workshop on Management of Discipline and Disciplinary Proceedings Labour Legislation-II
****Comprehensive Viva-Voce of 4th Semester would be based on papers taught in 3rd and 4th Semester.	

PLACEMENTS: The Summer Internship Season for 2018-19 witnessed participation from a plethora of reputed companies that extended internship offers to 86 students across various domains, profiles and geographies. HDFC Bank, Kotak Mahindra Bank, OYO Rooms, uT rade, Volvo Eicher were some of the prominent recruiters. The final placements for the batch 2018-19 concluded on a jubilant note as a total of 114 students received job offers from companies in functions of their choice. Tolaram Group, HSBC, E&Y, Paisabazar, Trident, Aircel, Clicklabs, Café Coffee Day, Dell, E-Clerx, Finxera, General Motors, Futures First, HDFC, ICICI, Infosys, Kotak Mahindra Bank, KPMG Global, Religare Finvest, SBI Life Insurance, The Smart Cube, Volvo Eicher and Wipro. The maximum package 53 Lakhs was offered to the students and the average package was 12.5 Lakhs.

ALUMNI RELATIONS: In the academic year 2018-2019 University Business School welcomed several distinguished corporate personalities and alumni from various batches for corporate interactions with the students. The top executives from various organisations like Religare, Vodafone, DHFL, IBM, Eidelweiss, Korn Ferry, ITC Hotels, Reliance Industries Limited e.t.c interacted with the students. Golden Jubilee of the commencement of MBA Program at UBS was celebrated on October 06, 2018 (alongwith Silver Jubilee reunion of 1993 Batch)

CONVOCATION: The UBS organized its first departmental level convocation on October 06, 2018.

UNIVERSITY INSTITUTE OF APPLIED MANAGEMENT SCIENCES

ABOUT THE INSTITUTE

UIAMS offers management programmes in sectoral areas and streams so as to fulfill industry needs and requirements for specialized managerial skills.

Salient Features of the Institute :

- (a) UIAMS is in furtherance of University's vision of developing emerging areas as nodal centres of Excellence in applied fields.
- (b) Cardinal Principle of Delivery System : 70:30 ratio of Management and Sectoral inputs.
- (c) Delivery and Evaluation at UIAMS is a mix of Theory & Practice.
- (d) Association with Industry through invited talks, guest faculty, evaluation of projects.
- (e) Institute is inter-disciplinary drawing from rich reservoir of talent available not only from University Business School (UBS) but also sectoral Departments like University Institute of Pharmaceutical Sciences (UIPS), Dr. Harvansh Singh Judge Institute of Dental Sciences & Hospital, University Institute of Engineering & Technology (UIET), Department of Economics, Department of Statistics, Department of Computer Sciences and Dr.S.S.B. University Institute of Chemical Engineering & Technology.

FACULTY

Designation	Name	Field of Research Specialization
Professors	Sanjeev Sharma	Strategic Management, Marketing Management, International Business
	Upasna Joshi Sethi (Director)	Human Resource Management, Organisational Behaviour
Associate Professors	Pardeep Kumar Sharma	Quantitative Techniques, Economic Development, Poverty Inequality and Inter-regional disparities.
	Nishi Sharma	Financial Management, Investment Analysis & Portfolio Management, Corporate Finance, Accounting, Banking.
Assistant Professors	Monika Aggarwal	Banking, Entrepreneurship, Finance & Accounting.
	Anupreet Kaur Mavi	Development Economics, Labour Economics
	Arunachal Khosla	Organizational Behaviour, HRM
	Nidhi Gautam	Information Systems, Telecommunications, Data Science, Data Communication, Wireless Sensor Networks, Wireless Communication, Information Technology.
	Jagandeep Singh	Marketing Management, Strategic Management
	Manu Sharma	Mergers & Acquisitions, Private Equity, Corporate Valuation and Financial Derivatives
	Manjushri Sharma	Hospital Management, Health Economics
	Ajay Kumar Dogra	Hospital, Pharmaceutical Management, , Operations (HRM), Marketing
Aman Khera	Law & Management (HR), HRM	
Rachita Sambyal	Information Technology, Telecommunication Mgt., Digital Marketing, Operations	
Naveen Kumar	Public Private Partnerships, Project Finance, Banking, Corporate Governance, Sustainable Business Practices, Infrastructure Mgt.	
Harsh Tuli	Strategy, International Business, Marketing	

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
MBA (Retail Management)	45+5NRI +2 Foreign National	2 Years	Passed one of the following examinations from a recognized University:	Based on MET
MBA (Banking & Insurance Management)	45+5NRI +2 Foreign National	2 Years	A Bachelor's or Master's Degree in any discipline of Panjab University or of any other recognized University as equivalent thereto with atleast 50% marks in aggregate. OR Pass in final examination conducted by the Institute of Chartered Accountants of India or England/the Institute of Cost and Works Accountants of India or England/Institute of Company Secretaries of India. OR AMIE Examination with 50% marks or more after having passed the diploma examinations with 60% marks or above & have atleast 5 years research / teaching or professional experience.	Calculation of Merit: MET: 85% Group Discussion: 7.5% Personal Interview: 7.5 %
MBA (I.T. & Telecommunications Management)	22+3NRI +1 Foreign National	2 Years	Bachelor's degree in Engineering/Technology, i.e. B.E. / B.Tech. (in any Branch) with minimum 50% marks in the aggregate. OR	
MBA (Infrastructural Management)	22+3NRI +1 Foreign National	2 Years	Bachelor's Degree in any Science subject with Physics and / or Mathematics with minimum 50% marks in the aggregate. OR Bachelor's in Computer Application (BCA) of Panjab University or of any other University recognized by the Panjab University as equivalent thereto with atleast 50% marks in the aggregate. OR AMIE Examination with 50% marks or more after having passed the diploma examinations with 60% marks or above and have atleast 5 years research / teaching or professional experience	
MBA (Pharmaceutical Management)	22+3NRI +1 Foreign National	2 Years	Bachelor's degree in Pharmacy with minimum 50% marks in the aggregate. OR M.B.B.S. with minimum 50% marks OR Bachelor's Degree in any Science subject with 50% marks in the aggregate and Diploma in Pharmacy with minimum 50% marks.	
MBA (Hospital Management)	22+3NRI +1 Foreign National	2 Years	MBBS/BDS/BAMS/BHMS/B.Pharmacy/B.Sc. (Nursing)/Bachelor of Physiotherapy (BPT) of Panjab University or a degree of any other University which has been recognized by the Syndicate as equivalent thereto with not less than 50% marks in the aggregate.	

Ph.D.	9+1**	3-6 Years	See M.Phil/Ph.D. Prospectus 2019
*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates. Candidates appearing in the Final Degree Examination are eligible to apply and can take the test provisionally.			
**One seat reserved for regular teacher of P.U. Campus and affiliated colleges to Panjab University/UGC Rajiv Gandhi National Fellow/Sponsored Foreign Students holding valid research visa under ICCR.			

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

Semester-I (Common To all Sectoral Branches)	Semester-II
Principles and Practices of Management Managerial Economics Accounting for Management Business Statistics Organizational Behaviour Legal and Ethical Aspects of Business Management Information Systems	Business Environment Financial Management Principles of Marketing Human Resource Management Workshop on Soft Skills Seminar on Research Methodology Summer Training and Viva-Voce* Comprehensive Viva-Voce**

In second semester, every student has to study two papers of the sectoral stream in which he/she has been admitted.

Sectoral Subjects - Retail Management

RM - 1: Introduction to Retailing

RM - 2: Product and Brand Management

Sectoral Subjects - Banking & Insurance Management

B&I-1: Principles and Practices of Banking

B&I-2: Principles of Insurance

Sectoral Subjects - I.T. & Telecommunication Management

IT&T-1: Data Communications and Cyber Security

IT & T -2: Business Intelligence with Data Mining

Sectoral Subjects - Infrastructural Management

IM - 1: Introduction to Infrastructural Management

IM - 2: Regulatory Framework of Infrastructural Management

Sectoral Subjects - Pharmaceutical Management

PM - 1: Industrial Pharmacy and Pharmaceutical Technology

PM - 2: Quality Assurance and Inventory Management

Sectoral Subjects - Hospital Management

HM-1: Introduction to Epidemiology and Bio-Statistics

HM-2: Community Health and Management of National Health Programmes

*at the end of the examination of 2nd semester, the students will undergo compulsory summer training for a period of 6-8 weeks.

Every student will submit the summer training report within two weeks from the start of teaching for 3rd semester.

**comprehensive viva-voce of 2nd semester would be based on papers taught in 1st and 2nd semester.

Semester-III	Semester-IV
1. Project Planning and Analysis	1. Strategic Management 2. Seminar on Corporate Governance 3. Workshop on Developing Entrepreneurial Skills 4. Operations Research 5. Research Project* 6. Comprehensive Viva-Voce**
Student has to select one stream of functional specialisation and study 4 papers from the chosen specialisation:	Student has to select one stream of functional specialisation and study 2 papers from the chosen specialization:
2. Functional Specialization : 4 papers from the chosen functional area: Group-A: Marketing a) Marketing Research and Consumer Behaviour	7. Functional Specialization : 2 papers from the chosen functional area: Group-A: Marketing a) Industrial and Rural Marketing

b) Advertising and Sales Management c) International Marketing d) Internet Marketing	b) Integrated Marketing Communications
Group-B: Finance a) Investment Analysis and Portfolio Mgt. b) Strategic Cost Management c) Financial Engineering d) Mergers, Acquisitions and Corporate Restructuring	Group-B: Finance a) Corporate Valuation b) Management of Financial Services
Group-C: Human Resource Management a) International Human Resource Management b) Organizational Development c) Labour Laws d) Performance Management	Group-C: Human Resource Management a) Industrial Relations and Labour Welfare b) Training and Development
Group-D: Operations Management a) Supply Chain Management b) Advanced Production Management c) Business Process Re-Engineering d) Management of Technology and Innovation 4. In Third semester, every student has to study three papers of the sectoral stream in which he/she has been admitted.	Group-D: Operations Management a) Enterprise Resource Planning b) Productivity Management 8. In Fourth semester, every student has to study three papers of the sectoral stream in which he/she has been admitted.
Sectoral Subjects-Retail Management RM-3: Customer Relationship Management RM-4: Franchising Merchandising*** RM-5: Visual Merchandising	Sectoral Subjects-Retail Management RM-6: Advanced Supply Chain Management RM-7: Marketing of Services RM-8: Marketing Strategies and Management
Sectoral Subjects-Banking & Insurance Management B&I-3: International Banking B&I-4: Management of Banking Service Operations B&I-5: Life and General Insurance	Sectoral Subjects-Banking & Insurance Management B&I-6: Regulatory Framework B&I-7: Marketing of Financial Services B&I-8: Risk Management
Sectoral Subjects-I.T. & Telecommunications Management IT&T-3: Cloud Computing Essentials IT&T-4: IT and Telecommunications Regulations and Policies IT&T-5: Big Data Technology	Sectoral Subjects-I.T. & Telecommunications Management IT&T-6: Programming for Data Analytics IT&T-7: IOT Fundamentals IT&T-8: IT Project Management
Sectoral Subjects-Infrastructural Management IM-3: Infrastructural Project Delivery, Managing Contracts and Negotiations IM-4: Financing of Infrastructural Projects IM-5: Public Private Participation in Infrastructural Projects	Sectoral Subjects-Infrastructural Management IM-6: Environmental Impact Assessment and Sustainable Development IM-7: Emerging Issues in Infrastructure Sector IM-8: Urban, Rural and Social Infrastructure Sectors
Sectoral Subjects-Pharmaceutical Management PM-3: Medical Pharmacology PM-4: Pharmaceutical Marketing PM-5: Brand Management	Sectoral Subjects-Pharmaceutical Management PM-6: Contemporary Issues in Pharmaceutical Management PM-7: Advanced Supply Chain Management PM-8: Patents and DRA
Sectoral Subjects-Hospital Management HM-3: Hospital Planning and Organisation HM-4: Management of Clinical and Super Specialty Services HM-5: Management of Support Services in Hospitals	Sectoral Subjects-Hospital Management HM-6: Health and Hospital Information Management HM-7: Health Insurance HM-8: Legal Aspects of Hospital Management
* Research project will start from 3rd semester. However, marks for this project will be counted in the 4th semester only. ** Comprehensive viva-voce in 4th semester will be based on papers taught in 3rd and 4th semester. *** Corrected title is subject to approval from authority.	

THRUST AREAS: The sectoral management courses at UIAMS have been so designed to train socially responsible, ethically oriented management professionals. The programmes are a unique blend of strategic thinking and pragmatism coupled with industry orientation. UIAMS has the mandate to undertake teaching and research in sectoral domains of industrial activity.

PLACEMENTS: UIAMS has an active placement cell, managed by full time training and placement officer (TPO). There has been a tremendous response from the reputed organisations for the management graduates of UIAMS. The focus of the placement team has been to nurture soft skills so as to enhance their employability quotient.

ALUMNI RELATIONS: Alumni of UIAMS has been in constant touch with its alma mater. UIAMS has been holding its annual alumni meet, which is well attended. Alumni are also kept abreast with the latest developments of UIAMS, besides seeking their support for the placement activities.

UNIVERSITY INSTITUTE OF HOTEL AND TOURISM MANAGEMENT (UIHTM)

ABOUT THE INSTITUTE

The University Institute of Hotel and Tourism Management (UIHTM) is an upcoming premier institute of Panjab University, which is offering education, training, and consultancy in the field of hospitality, tourism, travel and allied sectors. Looking to the demands of the Indian and global economy, UIHTM's programmes offer specialization for learners to enable them to acquire the right skill set with ample flexibility to adapt to employer organization's needs.

FACULTY

Designation	Name	Field of Research Specialization
Associate Professor	Prashant Kumar Gautam	Destination Management
Assistant Professors	Anish Slath (Director) Arun Singh Thakur	Hospitality Sales and Marketing
	Jaswinder Kumar Sharma	Special Interest Tourism
	Jaswinder Singh	Sustainable Tourism
	Neeraj Aggrawal	Food Production
Assistant Professors (ad hoc)	Gaurav Kashyap	Food and Beverage Service
	Abhishek Ghai	Gastronomy and food science
	Lipika Guliani	Food and Beverage Service - Bar Operations
	Manoj Semwal	Finance and Accounting
	Amit Katoch	Hotel Housekeeping
		Tour Operations

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility *	Admission Criteria
Bachelor of Hotel Management and Catering Technology (BHMCT)	60+6NRI +3 Foreign National	4 Years	10+2 with not less than 50% marks in the aggregate and English as one of the Compulsory Subjects.	Based on PU Tourism and Hospitality Aptitude Test (PUTHAT)
Bachelor of Tourism Internal Management (BTTM)	30+3 NRI +2 Foreign National	4 Years	10+2 with not less than 50% marks in the aggregate and English as one of the Compulsory Subjects.	Based on PU Tourism and Hospitality Aptitude Test (PUTHAT)
Master in Hospitality Management and Catering Technology (MHMCT)	40	2 years	A Bachelor's Degree in hotel management or equivalent from any recognized University with not less than 50% marks in the aggregate	Based on merit
Master in Tourism Travel Management (MTTM)	40	2 years	A Bachelor's Degree in any discipline of the University or a degree of any other University which has been recognized by the Syndicate as equivalent thereto with not less than 50% in the aggregate	Based on merit

* 5% concession is admissible in eligibility marks to SC/ST/BC/PwD Candidate

Titles of Syllabi: Detailed syllabi available at <http://puuchd.ac.in/syllabus.php>

**BACHELOR OF HOTEL MANAGEMENT AND CATERING TECHNOLOGY (BHMCT)
COURSE STRUCTURE Session 2019-23**

FIRST SEMESTER		
	Course Code Proposed	Course Title Proposed
Discipline Core	A. Theory	
	BHM-T101	Fundamentals of Culinary Arts
	BHM-T102	Fundamentals of Food & Beverage Service
	BHM-T103	Fundamentals of Front Office
	BHM-T104	Fundamentals of Housekeeping
Discipline Electives choose any two	BHM-T105	Fundamentals of Nutrition
	BHM-T106	Application of Computers
	BHM-T107	Introduction to Food Commodities
	BHM-T108	Introduction to Event Management
Discipline Core	B. Practical	
	BHM-P109	Fundamentals of Culinary Arts
	BHM-P110	Fundamentals of Food & Beverage Service
	BHM-P111	Fundamentals of Front Office
	BHM-P112	Fundamentals of Housekeeping
	BHM-P113	Leadership Development Camp

SECOND SEMESTER

Discipline Core	A. Theory	
	BHM-T201	Foundation Course in Culinary Arts
	BHM-T202	Foundation Course in Food & Beverage Service
	BHM-T203	Foundation Course in Front Office
	BHM-T204	Foundation Course in Housekeeping
Discipline Electives choose any two	BHM-T205	Executive Communication
	BHM-T206	Principles of Food Science
	BHM-T207	Basics of Tourism
Compulsory Paper (Non Credit Course)	BHM-T208	Environment, Road Safety Education, Violence Against Women/Children and Drug Abuse
Discipline Core	B. Practical	
	BHM-P209	Foundation Course in Culinary Arts
	BHM-P210	Foundation Course in Food & Beverage Service
	BHM-P211	Foundation Course in Front Office
	BHM-P212	Foundation Course in Housekeeping

THIRD SEMESTER

	Course Code	Course Title
Discipline Core	BHM 301	Industrial Exposure Training

FOURTH SEMESTER

	Course Code Proposed	Course Title Proposed
Discipline Core	A. Theory	
	BHM-T401	Regional Cookery
	BHM-T402	Introduction to Alcoholic Beverages
	BHM-T403	Front Office Operations
	BHM-T404	Accommodation Operations
Discipline Electives choose any two	BHM-T405	Food & Beverage Management and Controls
	BHM-T406	Food Safety & Quality
	BHM-T407	Business Ethics
	BHM-T408	Spa Management

Workshop on Research Methodology		
Discipline Core	B. Practical BHM-P409 BHM-P409 BHM-P410 BHM-P411	Regional Cookery Food & Beverage Operations Front Office Operations Foundation Course in Accommodation Operations
FIFTH SEMESTER		
Discipline Core	A. Theory BHM-T501 BHM-T502 BHM-T503 BHM-T504	Larder- Principles and Concepts Mixology- Principles and Concepts Accommodation Management Facility Planning
Discipline Electives choose any two	BHM-T505 BHM-T506 BHM-T507 BHM-T508	Bar Operations and Management Basics of Accountancy Components of Tourism Organizational behavior
Discipline Core	B. Practical BHM-P509 BHM-P510 BHM-P511 Research Project*	Larder- principles and concepts Mixology –Principles and concepts Accommodation Management
SIXTH SEMESTER		
	Course Code Proposed	Course Title Proposed
Discipline Core	A. Theory BHM-T601 BHM-T602 BHM-T603 BHM-T604	International Cuisine Banquet & Restaurant Operations and Management Front Office Management Principles of Management
Discipline Electives choose any two	BHM-T605 BHM-T606 BHM-T607 BHM-T608 BHM-T609	Aviation and Cruise line operations Management Entrepreneurship Development Personality Development and Soft Skills Food Photography and Food Journalism Ayurveda and Gastronomy
Discipline Core	B. Practical BHM-P609 BHM-P610 BHM-P611 BHM-P612	International Cuisine Banquet and Restaurant Operations and Management Front Office Management Research Project (Viva Voce)
SEVENTH SEMESTER		
	Course Code	Course Title
Specialization Core	A. Theory Group 1. Food and Beverage Division Management BHM-T701 BHM-T702	Advanced Food Production Operations & Management Advanced Food & Beverage Service Operations and Management
Specialization Core	Group 2. Rooms Division Management BHM-T703 BHM-T704	Advanced Front Office Management Advanced Accommodation Management
Compulsory Subjects		
Discipline Core	BHM-T705	Project on Market feasibility and financial viability for hotels/restaurants

Specialization Electives	BHM-T706	Strategic Management		
	BHM-T707	Principles of Marketing		
	BHM-T709	Financial Management		
Specialization Core	B. Practical			
	Group 1. Food and Beverage Division Management			
	BHM -P710	Advanced Food Production Operations		
	BHM -P711	Advanced Food & Beverage Operation		
	BHM-P712	Soft Skills and Interview Preparations		
Specialization Core	Group 2. Rooms Division Management			
	BHM-P712	Soft Skills and Interview Preparations		
	BHM -P713	Front Office Management		
	BHM -P714	Accommodation Management		
EIGHTH SEMESTER				
	Course Code	Course Title		
Discipline Core	BHM 801	Specialized Hospitality Training		
	BHM 802	Project Report on emerging trends in hospitality Industry		
Course: BACHELOR OF TOURISM AND TRAVEL MANAGEMENT (B.T.T.M.)				
SEM	Code	Course Title	Course Type	
1	Core	BTM 111	Tourism: Concept, Status and Trends	DC
		BTM 112	Geography for Tourism	DC
		BTM 113	Indian Society and Culture	DC
	Choose any one	BTM 114	Computer Operations	DE
		BTM 115	Introduction to Hospitality Industry	DE
	Choose any three	BTM 116	Workshop on Personality Development	DE
		BTM 117	Workshop on Executive Communication for Tourism Industry	DE
		BTM 118	Workshop on Physical Grooming	DE
		BTM 119	Workshop on Travel Writing	DE
2	Core	BTM 121	Components of Tourism	DC
		BTM 122	Tourism Product – Regional	DC
		BTM 123	Field Trip Report	DC
		BTM 124	Environment and Road Safety Education	DC
	Choose any two	BTM 125	Tourism Products of India: Art and Architecture	DE
		BTM 126	Tourism Product of India: Nature Based	DE
		BTM 127	Event Management Engagement	DE
	Choose any one	BTM 128	Workshop on Hotel Operations	DE
		BTM 129	Workshop on English Language Skills for Tourism Industry	DE
3		BTM 231	Travel Agency and Tour Operations	DC
		BTM 232	Principles of Management	DC
		BTM 233	Outdoor Learning Programme	DC
	Choose any three	BTM 234	Tourism Impacts	DE
		BTM 235	Special Interest Tourism	DE
		BTM 236	Environment and Tourism	DE
		BTM 237	Tourism Product of India: Cultural Heritage	DE
4		BTM 241	Introduction to Statistics	DC
		BTM 242	Policy and Planning for Tourism Development	DC
		BTM 243	On the Report and Viva	DC
	Choose any three	BTM 244	Itinerary Preparation	DE
		BTM 245	Tour Package Design	DE
		BTM 246	Essential of Tour Guiding	DE
		BTM 247	Tourism Transportation	DE
5		BTM 351	Basics of Tourism Research	DC
		BTM 352	Tourism Marketing	DC

	Choose any three	BTM 353	Introduction to Event Management	DC
		BTM 354	Tourism Business Environment	DE
		BTM 355	Human Resource Management	DE
		BTM 356	Introduction to Air Travel	DE
		BTM 357	Business Tourism	DE
6		BTM 361	Volunteering and Societal Understanding Programme	DC
		BTM 362	Tourism Business Economics	DC
		BTM 363	Airline Service and In-flight Facilities	DC
				SC 1/1
				SE1/1
				SE1/2
7		BTM 471	Basics of Accountancy	DC
		BTM 472	Tourism Promotion	DC
		BTM 473	Research Project Report	DC
				SC 2/1
				SE2/1
				SE2/2
8		BTM 481	Comprehensive Viva Voce	DC
		BTM 482	Internship Report	DC
		BTM 483 [#]	Workshop: Computerised Reservation System	DC
		BTM 484 [#]	Workshop: Indian Tourism Destinations	DC
		BTM 485 [#]	Workshop: International Tourism Destinations	DC

Specialization Core and Electives

SPECIALISATION A (Travel Trade)

SC	BTM TT1	Ticketing & Transportation
SE	BTM TT2	Trade Related Issues and Frontier Formalities
SE	BTM TT3	Adventure Tourism
SE	BTM TT4	Rural and Community Based Tourism

SPECIALISATION B (Outbound Tourism)

SC	BTM OT1	Regional Dimensions of International Tourism
SE	BTM OT2	Outbound Tour Operations
SE	BTM OT3	Tourism Product: Europe and America
SE	BTM OT4	Tourism Product: Asia, Middle East and Pacific Area

SPECIALISATION C (Aviation and Hospitality)

SC	BTM AH1	Room Division Management
SE	BTM AH2	Basics of F&B Operations
SE	BTM AH3	Airport Facility Management
SE	BTM AH4	Air Transport & Cargo Management

SPECIALISATION D (Tourism Marketing)

SC	BTM TM1	Service Marketing
SE	BTM TM2	Relationship Marketing
SE	BTM TM3	Sales and Distribution Management
SE	BTM TM4	E-Marketing

THRUST AREAS: : 1. Food & Service Production 2. Food and Beverage Service 3. Accommodation Operation 4. Tour Operations 5. MICE

PLACEMENTS: UIHTM provides training and placements to the students. The students were placed in all leading hotel chains, cruise line companies and tour operator companies like Oberoi, Marriott, Taj, Jaypee Hotels, Hyatt, Cox and Kings, Thomas Cook etc.

ALUMNI RELATIONS: On regular basis Institute invites its former students to have an interaction with the students. On 8th May 2017 UIHTM had organized its first alumni meet.

III. FACULTY OF DESIGN AND FINE ARTS

DEPARTMENT OF ART HISTORY & VISUAL ARTS

ABOUT THE DEPARTMENT

The Department of Art History and Visual Arts was established in 1962. The Department has made significant contributions in the field of art history in a regular academic curriculum. Teaching in the department is carried out through audio visual materials like slides, film shows, demonstration by artists etc. In the library of the department, there are more than 15,000 slides of which the most important part is that of the slides acquired from the American Committee of South Asian Art (ACSAA), U.S.A.

The Museum of Fine Arts was opened in 1968. The Museum showcases a collection of contemporary Indian Art of important painters, sculptors and printmakers. A regular programme of exhibitions along with demonstrative workshops and lectures have made the museum an important centre of art in the region.

FACULTY

Designation	Name	Field of Research Specialization
Prof. Emeritus	B.N. Goswamy	Indian Painting
Associate Professors	Tirthankar Bhattacharya (Chairperson)	Indian Iconography, Aesthetics and Art Appreciation
	Jagtej Kaur Grewal	Indian Painting

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission criteria
M.A. (History of Art)	25+3NRI +1 Foreign National	2 Years	Passed one of the following examinations from a recognized University: A Bachelor's Degree obtaining at least 45% marks in History of Art or 50% in aggregate OR B.A.(Hons) in History of Arts or B.Sc. (Hons.) Course OR Master's examination in any subject OR B.A. (Pass) examination with 45% marks in any of the following subjects :- Art, Music, Psychology, Philosophy, Sociology, Sanskrit, History, English, Ancient Indian History, Culture & Archaeology, Home Science, any one of the Modern Indian Languages / Classical languages OR B.A. (Pass) / B.Sc. (Home Science) examination in second division with at least 50% marks in the aggregate OR B.F.A./ Bachelor of Architecture examination with at least 45% marks in the aggregate.	Based on Aptitude Test Aptitude Test:40%** Academic : 60% (10 th Class :10%, 10+2 Class :10%, Bachelor's/Master's degree : 40%)
Ph.D.	Subject to availability	3-6 Years	See M.Phil./Ph.D Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

**Aptitude test will be of one hour duration based on Fine Arts/History of Art syllabus at the undergraduate level of P.U.

TITLE OF SYLLABI: (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

M.A. (History of Art)

Semester-I		Semester-II	
Paper-I	History of Indian Sculpture and Architecture from the Earliest Times to ca.600 A.D.	Paper-V	History of Indian Sculpture and Architecture from 1st century A.D. to 6th century A.D.
Paper-II	History of European Art from the Pre-historic to the Byzantine period.	Paper-VI	History of European Art from the Early Medieval Period till Late Gothic Period ca.1400 A.D.

Paper-III	History of Indian Painting from the Pre-historic period to the 16 th century A.D.	Paper-VII	History of Indian Painting from ca.1550 A.D. to ca. 1850 A.D.
Paper-IV	Principles and Sources of Art.	Paper-VIII	Basic Religious Systems and Iconographic Concepts.
Semester-III		Semester-IV	
Paper-IX	History of Indian Architecture and Sculpture from ca.700 A.D. to ca.1300 A.D.	Paper-XIII	History of Indian Architecture from ca.1300 A.D. to ca.1900 A.D.
Paper-X	History of European Art from the Renaissance to ca.1700 A.D.	Paper-XIV	History of European Art from ca.1900 A.D. to ca.1980 A.D.
Paper-XI	History of European Art from ca.1750 A.D. to ca. 1920 A.D.	Paper-XV	History of Indian Art in the 19 th and 20 th centuries.
Paper-XII	Art of South East Asia.	Paper-XVI	Comparative Approaches to Art.

THRUST AREAS: History of Indian Art: Traditional, Contemporary and Architecture; Iconography

PLACEMENTS: The students who complete their MA in History of Art have found placements in the teaching profession as Lecturers in Universities and Colleges, as teachers in Government and private schools, and as instructors in private coaching institutions. The students have also been successfully placed in firms that deal with the documentation of Art Works, in Art Galleries and have been writing for newspapers and journals. The students also have gone on to get admission in Universities overseas for further studies and research.

ALUMNI RELATIONS: An Alumni Association of the department was founded in the year 2011 with the membership growing over the years.

DEPARTMENT OF INDIAN THEATRE

ABOUT THE DEPARTMENT

The Department was set up in 1972 and has earned a place of pride on the National Theatre Scene during 45 years of its existence, on the Panjab University Campus. Theatre personalities from all over India and foreign countries have been visiting the Department for interaction with the faculty and students.

The Department has produced more than 89 productions ranging from Classical to Modern, Traditional to Experimental plays. The Alumni of this Department have made their name at the highest level in the fields of Theatre, T.V., Films and other cultural organizations.

Department offers merit scholarship to students. The Department has its own Library, A Balwant Gargi Open-air-Theatre and a Studio Theatre for overall training of the students, in the subject of theatre and directorial process. The Department also produces an Annual Production for an invited audience.

The Course provides full training in the theoretical and practical aspects of theatre, Acting, Movement, Voice Speech, Singing, Improvisation, Theatre-games, Yoga, Mime, Text-study, Character-building, Stage-craft along with its chiseling of the Imagination. Plays from India and Western dramatic literature and the history of theatre are dealt with in considerable detail. Theory and practical lessons in Stage-craft that includes Make-up, Mask-making, Lighting, Set and costume designing are an important part of the training. The knowledge of regional theatre-forms and their creative application in the modern context is emphasized.

FACULTY

Designation

Assistant Professor (Re-Employed)
Assistant Professor

Name

Shveta Mahendra
Navdeep Kaur
(Chairperson)

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria**
M.A.	23 +2 NRI +1 Foreign National	2 Years	Bachelor's Degree from Panjab University OR Any other degree recognized by the Panjab University as equivalent thereto with aptitude for Theatre	Based on Written & Performance Test

Ph.D.	7	3-6 Years	See Ph.D. Prospectus 2019
<p>* 5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates **i) Objective Type Written Test conducted by the Department: 30 Marks (Only those candidates who secure at least 50% marks in the Objective Type Written Test will be allowed to appear in the Specially Designed Performance Test). ii) Specially Designed Performance Test: 70 Marks (Only those candidates who qualify Specially Designed Performance Test by scoring at least 50% marks will be eligible)</p>			

TITLES OF SYLLABI: (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.)

M.A.

Semester-I		Semester-II	
Paper-I	History of Theatre	Paper-V	Dramatic Literature
Paper-II	Acting Theory	Paper-VI	Theatre Architecture
Paper-III	Acting Practical	Paper-VII	Directorial Processes
Paper-IV	Stage Craft (Practical)	Paper-VIII	Viva Voce
Semester-III		Semester-IV	
Paper-IX	History of Theatre	Paper-XIII	Dramatic Literature
Paper-X	Acting Theory	Paper-XIV	Theatre Architecture
Paper-XI	Acting Practical	Paper-XV	Directorial Processes
Paper-XII	Stage Craft (Practical)	Paper-XVI	Viva Voce

THRUST AREAS: Our integrate artistic training with human values in an environment results in the thrust areas of exploration, artistic curiosity, experimentation, risk-taking, creative collaboration and innovative projects across disciplines.

ALUMNI RELATION: Our department has produced many illustrious theatre and film personalities. We encourage and support regular interactions with the Alumni of the department.

DEPARTMENT OF MUSIC

ABOUT THE DEPARTMENT

The department of Music was established in 1987. It provides intensive and full time training in practical and theoretical music in Vocal and Instrumental (Sitar) at M.A. & M.Phil level. It also provides Music hobby classes in the evening. The department offers facilities of departmental library and infrastructure to regular research scholars for their research leading to Ph.D degree in various aspects of Music and Musicology. The department offer facilities for inter disciplinary research also. Ph.D course work is also conducted in the department. The department organizes workshops and seminars to expose the students to various innovations, new trends and emerging areas in the respective fields. Students get opportunities to participate in public performances and conferences at regional and national levels. Students are given opportunity to perform in the University Functions namely Republic day celebrations, Independence Day celebration and Convocation etc.

FACULTY

Designation	Name	Field of Research Specialization
Professors	Saroj Ghosh	Music (Instrumental)
	Pankaj Mala Sharma	Music (Instrumental)
Associate Professor	Neelam Paul (Chairperson)	Music (Vocal)

COURSES OFFERED (Semester System)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A (Vocal)	17+2NRI +1 Foreign National	2 Years	B.A. with Music or teacher in Music in a recognized higher secondary school or affiliated college	Based on Aptitude Test Aptitude Test – 40% Academics – 60%

				(10 th Class:10%, 10+2Class:10%, Bachelors':40%)
M.A. (Instrumental)	17+2NRI +1 Foreign National	2 Years	B.A. with Music or teacher in Music in a recognized higher secondary school or affiliated college	Based on Aptitude Test Aptitude Test – 40% Academics – 60% (10 th Class:10%, 10+2Class:10%, Bachelors':40%)
Certificate Course	15	1 Year	Minimum +2	
Hobby Classes (Vocal/Instrumental Music) Instruments offered: Guitar, Sitar, Harmonium, Tabla		Minimum 03 months	Students of University Department/ Colleges, University Employees and their wards with aptitude for music.	
Ph.D	Subject to availability of Seats	3-6 Years	See M.Phil/Ph.D Prospectus-2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

M.A. MUSIC (VOCAL & INSTRUMENTAL)			
Semester-I		Semester-II	
Paper-I	Theoretical Survey, Principles of Aesthetics and Critical study of Ragas	Paper-I	Theoretical Survey, Principles of Aesthetics and Critical study of Ragas
Paper-II	History of Indian Music	Paper-II	History of Indian Music
Paper-III	Stage Performance (Practical)	Paper-III	Stage Performance (Practical)
Paper-IV	Viva-Voce (Practical)	Paper-IV	Viva-Voce (Practical)
Semester-III		Semester-IV	
Paper-I	Scientific study of Indian Music	Paper-I	Music Education and Study of Granthas
Paper-II	Study of Ragas and Talas	Paper-II	Information Technology and Principles of Stage Performance
Paper-III	Stage Performance (Practical)	Paper-III	Stage Performance (Practical)
Paper-IV	Viva-Voce (Practical)	Paper-IV	Viva-Voce (Practical)

M.Phil Music (VOCAL & INSTRUMENTAL)

Semester-I			
Course-I	Research Methodology	75 Marks	4 Credit
Course-II	History and Theory of Indian Music	75 Marks	2 Credit
Course-III	Sessional Internal Test (Theory & Practical)	50 Marks Theory 30 Marks Practical 20 Marks	---
Course-IV	Stage Performance-cum- Viva Voce	100 Marks	6 Credit
Semester-II			
Course-I	Stage Performance	75Marks	2 Credit
Course-II	Viva Voce	75 Marks	2 Credit
Course-III	Sessional Internal Test (Practical)	50Marks	---
Course-IV	Dissertation	100Marks Dissertation- 80 Marks Viva Voce - 20Marks	8Credit

THRUST AREA: Classical Music

PLACEMENTS: Department prepare the students in such a way that they can be appointed for teaching in Universities, Colleges & other Institutions.

ALUMNI RELATIONS: Preparing the list of alumni of this Department.

IV. FACULTY OF EDUCATION

DEPARTMENT OF COMMUNITY EDUCATION AND DISABILITY STUDIES

ABOUT THE DEPARTMENT

The Department was established in the year 2007. It offers Master's course in Community Education and Development, Ph.D. (Community Education and Development) and B.Ed. Special Education (Learning Disability). The Admission in these courses is open to all the students from all streams.

FACULTY

Designation	Name	Field of Research Specialization
Professors	Navleen Kaur	Community Education, Inclusive Education, Extension Education, Educational Psychology, Guidance and Counseling, Learning Disability.
	Anuradha Sharma	Research Methodology, Education Psychology, Community Social Psychology, Learning Disability, Community Education, Inclusive Education.
Associate Professor	Ashwani Kumar Sharma	International Politics with emphasis on Conflict Resolution, Community Education, Inclusive Education, Human Resource Development.
Assistant Professors	Dazy Zarabi (Chairperson)	Community Education, Population and Sustainable Development Education, Gender Equality & Equity Adolescent Education, HIV/AIDS/Health Education.
	Md. Saifur Rahman	Special Education, Inclusive Education, Research Methodology, Learning Disability.
Assistant Professors (Temporary)	Nitin Raj	Special Education, Inclusive Education, Learning Disability.
	Md. Taukir Alam	Special Education, Inclusive Education
	Md. Shamsad Alam	Special Education, Inclusive Education

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A. (Community Education & Development)	25+3NRI +1 Foreign National	2 Years	Bachelor's Degree with 50% marks in any stream from a recognized University	Based on Merit
B.Ed. Special Education (Learning Disability)	30	2 Years	Bachelor's Degree with 50% marks in any stream from a recognized University Weightages : i. 5% for PG Diploma in Learning Disability. ii. 3% for Diploma/ Degree any other Disability. iii. 2% for certificate course in Learning Disability.	Based on Merit
Ph.D.	Subject to availability	3-6 Years	See M.Phil./Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to ST/SC/BC/PwD Candidates

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

M.A. COMMUNITY EDUCATION AND DEVELOPMENT

Semester-I		Semester-II	
Paper-I	Community Development and Organization	Paper-I	Community Social Psychology
Paper-II	Indian Social Structure	Paper-II	Urbanization and Slums
Paper-III	Empowerment of Community	Paper-III	Corporate Social Responsibility
Paper-IV	Research Methodology • Project work/Community work/Field work.	Paper-IV	Human Resource Development and Training • Project work/Community work/Field work.

Semester-III (Theory Papers)	Semester-IV (Theory Papers)
Paper-I Conflict Resolution Paper-II Population and Health Education Paper-III Community Counseling Paper-IV Education and Life Long Learning • Project work/Community work/Field work.	Paper-I Rural Development Entrepreneurship Paper-II Human Rights and Duties Paper-III Panchayati Raj System in India Paper-IV Environmental Education and Disaster Management • Project work/community work/Field work.
B.Ed. SPECIAL EDUCATION (LEARNING DISABILITY)	
Semester – I (Theory Papers)	Semester – II (Theory Papers)
Paper-I Human Growth & Development Paper-II Contemporary India and Education Paper-III Introduction to Neuro Developmental Disabilities Paper-IV Assessment and Identification of Needs Practicum – LD E1: Cross disability & Inclusion	Paper-I Learning, Teaching and Assessment Paper-II Part- (i) Pedagogy of Teaching Science Part- (ii) Pedagogy of Teaching Mathematics Part- (iii) Pedagogy of Teaching Social Science Paper-III Part –(i) Pedagogy of Teaching Hindi Or Part –(ii) Pedagogy of Teaching Punjabi Or Part –(iii) Pedagogy of Teaching English Paper-IV Inclusive Education Paper-V Curriculum Designing, Adaptation & valuation Practicum – LD E2: Disability Specialization
Semester – III (Theory Papers)	Semester-IV (Theory Papers)
Paper-I Educational Intervention and Teaching Strategies Paper-II Technology & Disability Paper-III Psycho-Social and Family Issues Paper-IV Reading and reflecting on Texts Paper-V Performing and Visual Arts Practicum -LD E2: Disability Specialization F1: Main Disability Special School (Internship)	Paper-I Guidance & Counseling Paper-II Management of Learning Disability Paper-III Basic Research and Statistics Practicum –LD E1: Cross disability & Inclusion F2: Other Disability Special School F3: Inclusive School (Internship)

THRUST AREAS: Development of Education System in India; Inclusive Education; Community Education; Empowerment of Community; Education for All; Gender Equity, Equality and Disparity; Community Counseling; Special Education and any other issue related with community and inclusive education.

PLACEMENTS: The Department has a Placement Cell which coordinates with the Central Placement Cell of the University. Many students opt for self-employment and spring up as successful Special Educators/Councilors.

DEPARTMENT OF EDUCATION

ABOUT THE DEPARTMENT

The Department of Education was started in 1963 with one M.Ed. course through regular mode. Subsequently M.Ed. (Evening) Course for in-service teachers in 1969; M.A. (Education) in 1979; M.Phil. (Education) in 1979; M.Ed. (Guidance & Counselling) in 1991 and M.Ed. (Educational Technology) in 1991 were added. Currently, M.Ed. (General) and M.A. (Education) are running in the Department. The Department of Education is a Nodal Research Centre of Panjab University for conducting Ph.D. program and Ph.D. Course Work for Colleges affiliated to Panjab University.

The Department was awarded Special Assistance Program (DRS) by U.G.C. w.e.f. from 1-4-95: First phase: 1-4-95 to 31-3-2000, Second Phase: 1-4-2001 to 31-3-2006 and Third phase 1-4-2007 to 31-3-2012. The Department has been awarded SAP (DSA) status.

The Department of Education has been sanctioned Centre for Academic Leadership and Educational Management (CALEM) under PMMMNTT Scheme of MHRD.

FACULTY

Designation	Name of faculty members	Areas of specialization
Professor Emeritus (Retd.), Former DUI	J. N. Joshi	Research Methods; Measurement & Evaluation
Honorary Professor	Krishan Kumar	Sociology and History of Education; Critical Pedagogy and Modernity Issues; English and Hindi story writings
Professors	Latika Sharma (Chairperson)	Life Long Education; Philosophical, Sociological and Psychological Foundations; Educational Administration and Management; Teacher Education
	Raj Kumari Gupta	Exceptionality; Guidance & Counselling; Research Methods; Human Development, Inclusive Education, Learning Disability
	Nandita Shukla Singh	Philosophical & Sociological Foundations of Education of Indian thinkers and Philosophy; Teacher Education; Human Rights & Values and Peace Education
	Vandana Mehra	Educational Technology; Curriculum Development; Research Methods; Teacher Education
	Kirandeep Singh	Guidance & Counselling w.r.t. Career Psychology & Organizational Psychology; Human Development
Associate Professors	Satvinderpal Kaur	Sociology of Education; Educational and Social Psychology, Education of Minority disadvantages groups
	Jatinder Grover	Quality aspects of Elementary; Secondary & Teacher Education; Technology Enhanced Education Systems
	Kuldeep Kaur	Educational Psychology; Special Education (Learning Disability); Inclusive Education; Mindfulness in Education; Educational Research & Statistics; Guidance & Counselling; Teaching of English/Pedagogy of Language Education

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.Ed. (General)	50	2 Years	Candidates seeking admission to the M.Ed. programme should have obtained at least 50% marks or an equivalent grade in the following programmes: i) B. Ed. ii) B.A. B.Ed, B.Sc B.Ed. iii) B.El.Ed. iv) D.El. Ed with an undergraduate degree (with 50% marks in each) b) Reservation and relaxation for SC/ST/OBC/PWD and other applicable (as per NCTE regulations)	Based on Merit (marks obtained in qualifying degree exam)
M.A.	25+3NRI +1 Foreign National	2 Years	A) For Indian Nationals: Passed one of the following examinations from a recognized University: i B.A. with (Hons) in Education obtaining 50% marks in aggregate OR ii) B.Sc. (Hons.) School OR iii) A Bachelor's degree obtaining at least 45% marks in the subject/course of Education or 50% marks in aggregate	Based on Merit (marks obtained in qualifying degree)

			<p>Provided that :- Bachelor's degree in any stream with 50% marks and B.Ed. from any recognized Indian University. OR Bachelor's degree with 50% marks having studied at least one of these subjects viz. Education/Philosophy/ Psychology/ Sociology/ Public Administration / History / Economics / Geography/ Political Science/Anthropology OR iv) Master's degree in any other subject B) For Foreign Nationals: 50% marks or equivalent grade in graduate degree/equivalent degree in any discipline from Foreign University having certified by the Association of Indian Universities (AIU).</p>	
Ph.D.	Subject to availability	3-5 Years	See M.Phil./ Ph. D. Prospectus 2019	
*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates				

M.ED. GENERAL SEMESTERS- I to IV

Titles of Syllabi: Curriculum is available at : <http://puchd.ac.in/includes/syllabus/2017/20171106154856-m.ed.general-2017-19itoivsem27.10.pdf?201904021801>

M.Ed. General Semester I

Programme Code: MEDGN-I
(As per syllabus of 2019-2021)

PAPER COURSE TITLE

I	Perspectives in Education -I
II	Learner and Learning Process-I
III	Educational Research and Statistics-I
IV	Teacher Education-I
V	History of Education-I
VI	Dissertation-I (Writing a synopsis)

M.Ed. General Semester III

Programme Code: MEDGN-III
(As per syllabus of of 2019-2021)

PAPER COURSE TITLE

I	Education for sustainable Development & Global Peace-III
II	Guidance and Counseling-III
III	Measurement, Assessment and Evaluation-III
IV	Educational Management and Policy Planning -III
V	Field Attachment/ Internship

M.Ed. General Semester II

Programme Code: MEDGN-II
(As per syllabus of of 2019-2021)

PAPER COURSE TITLE

I	Process of Education-II
II	Psychology for Individual and Social Development-II
III	Educational Research and Statistics-II
IV	Dissertation -II (Submission of Research Proposal)
V	Self Development Skills-II (Yoga, Communication & Professional Skills)
VI	Any one of the following A Pedagogy of Science Education-II B Pedagogy of Social Science Education-II C Pedagogy of Language Education-II D Pedagogy of Mathematics Education-II

M.Ed. General Semester IV

Programme Code: MEDGN-IV
(As per syllabus of of 2019-2021)

PAPER COURSE TITLE

I	Educational Technology and ICT-IV
II	Dissertation-IV (Viva Voce)
III	Field Attachment/ Internship-IV
IV	Self Development Skills-IV (Placement/ Entrepreneurship Skills)
V&VI	Any Three of the following A Education for Differently Able-IV B Curriculum Studies-IV C Comparative Education-IV D Life Long Learning-IV E Economics of Education-IV

M.A. (EDUCATION) Curriculum is available at: <http://puchd.ac.in/includes/syllabus/2017/20171106155452-m.a.edu.-2017-19itoivsem27.10.pdf?201904021801>

**M.A. (EDUCATION) SEMESTER-I
(As per syllabus of of 2019-2021)**

PAPER Compulsory Papers

I	Philosophical and Sociological Foundations of Education-I
II	Educational Psychology-I
III	Educational Research & Statistics-I

IV & V (opt papers) Any Two of The Following:

A	Educational Measurement & Evaluation
B	Guidance & Counselling
C	Educational Technology
D	Special Education
E	Population Education and Environmental Education
F	Value Education & Human Rights Education
G	Educational Administration & Management
H	Lifelong Education

**M.A. (EDUCATION) SEMESTER-III
(As per syllabus of 2018-2020)**

PAPER Compulsory Papers

XI	History and Contemporary Issues of Indian Education-III
XII	Curriculum Development-III
XIII	Dissertation Proposal/ Synopsis

XIV & XV (opt papers) Any Two of The Following:

A	Educational Measurement & Evaluation
B	Guidance & Counselling
C	Educational Technology
D	Special Education
E	Population Education and Environmental Education
F	Value Education & Human Rights Education
G	Educational Administration & Management
H	Lifelong Education

**M.A. (EDUCATION) SEMESTER-II
(As per syllabus of of 2019-2021)**

PAPER Compulsory Papers

VI	Philosophical and Sociological Foundations of Education-II
VII	Educational Psychology-II
VIII	Educational Research & Statistics-II

IX & X (opt papers) Any Two of the following:

A	Educational Measurement & Evaluation
B	Guidance & Counselling
C	Educational Technology
D	Special Education
E	Population Education and Environmental Education
F	Value Education & Human Rights Education
G	Educational Administration & Management
H	Lifelong Education

**M.A. (EDUCATION) SEMESTER-IV
(As per syllabus of 2018-2020)**

PAPER Compulsory Papers

XVI	History and Contemporary Issues of Indian Education-IV
XVII	Curriculum Development-IV
XVIII	Dissertation Proposal/ Synopsis

XIX & XX (opt papers) Any Two of the following

A	Educational Measurement & Evaluation
B	Guidance & Counselling
C	Educational Technology
D	Special Education
E	Population Education and Environmental Education
F	Value Education & Human Rights Education
G	Educational Administration & Management
H	Lifelong Education

THRUST AREAS: Education for Peace, Values & Sustainable development, Guidance & Counselling, Educational Technology, Measurement and Evaluation, Social and Economic Context of Education Special and Inclusive Education, Environmental Education, Educational Administration and Educational Research Tools.

PLACEMENT: The Department maintains year wise data of student profiles. Resource Persons from different fields (Educational Institutes; Guidance/Employment Bureaus; Professionals from Hospitals/Psychiatry Department; etc.) are invited to deliver expert talks and interact with students. Students opting for Guidance & Counselling as optional paper have a mandatory visit to Employment Exchange and Guidance & Counselling Bureau. Placement Cell of Department intends to increase interaction with experts working towards better placement opportunities for students of the Department.

ALUMNI: The alumni is associated with Department through DEESA (Department of Education Ex-Students Association).

INSTITUTE OF EDUCATION TECHNOLOGY AND VOCATIONAL EDUCATION

ABOUT THE INSTITUTE

The Institute started in July 2007 as a collaborative effort of three departments of Panjab University viz. Department of Education, Department of Lifelong Learning and Department of Community Education & Disability Studies. Presently, four year integrated B.A. B.Ed. course (approved by NCTE) is offered in the Institute with an intake of 50 students. This course is designed as per the latest guidelines of NCTE.

The objective of the Institute is to prepare prospective secondary school teachers, who are dedicated & committed to teaching profession, socially aware & concerned, morally upright and spiritually oriented. The focus of this four year course is to provide quality teacher education through a rigorous, consistent and comprehensive programme equipping with theoretical knowledge and practical pursuits.

FACULTY

Designation	Name	Field of Research Specialization
Assistant Professors	Rekha Rani	Teaching of Mathematics, Research Methodology and Statistics, Special Education, Educational Technology
	Kanwalpreet Kaur (Chairperson)	Educational Psychology, Educational Sociology, Educational Technology, Research Methodology and Statistics
	Kalpana Thakur	Educational Technology, Curriculum Development, Research Methodology and Statistics, Educational Psychology, Teaching of Sciences
	Amritpal Kaur	Educational Psychology, Teaching of Social Studies, Educational Technology, Guidance and Counselling
	Puja Ahuja	Science Education, Educational Technology, Mathematics Education, Educational Psychology

COURSE OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission criteria
B.A.B.Ed.	50	4 Years	Passed 10+2 examination with 50% marks from any recognized Board/ University.	Based on Aptitude Test Academic (10+2 class):50% Aptitude Test: 50% (Pass marks in Aptitude Test is 40%)*

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF THE SYLLABI: (Detailed syllabus is available at: <http://puchd.ac.in/syllabus.php>)

Semester I	Semester II
<p>Compulsory Papers</p> <p>Paper-1 Education in Emerging Indian Society</p> <p>Paper-2 School Organization and Administration</p> <p>Paper-3 English</p> <p>Paper-4 Punjabi/HCP</p> <p>Paper-5,6 &7 Optional Papers: Choose any three: English (Elective), Punjabi (Elective), Hindi (Elective), Political Science, Economics, Sociology, Geography, Mathematics and History.</p> <p>General Practicum:</p> <p>(a) School related practicum</p> <p>(b) Life skills training</p> <p>(c) Tutorials</p>	<p>Compulsory Papers</p> <p>Paper-1 Philosophical and Sociological Foundations of Education</p> <p>Paper-2 Psychological Foundations of Education</p> <p>Paper-3 English</p> <p>Paper-4 Punjabi/HCP</p> <p>Paper-5,6 &7 Optional Papers: Choose any three: English (Elective), Punjabi (Elective), Hindi (Elective), Political Science, Economics, Sociology, Geography, Mathematics and History</p> <p>General Practicum:</p> <p>(a) School related practicum</p> <p>(b) Life skills training</p> <p>(c) Tutorials</p>
Semester-III	Semester-IV
<p>Compulsory Papers:</p> <p>Paper-1 Human Development</p> <p>Paper-2 School-Community Participation</p>	<p>Compulsory Papers:</p> <p>Paper-1 Curriculum Development and Evaluation</p> <p>Paper-2 Guidance and Counselling</p>

Paper-3 English Paper-4 Punjabi/HCP Paper-5,6 &7 Optional Papers: Choose any three: English (Elective), Punjabi (Elective), Hindi (Elective), Political Science, Economics, Sociology, Geography, Mathematics and History. General Practicum: (a) School related practicum (b) Life skills training (c) Tutorials	Paper-3 English Paper-4 Punjabi/HCP Paper-5,6 &7 Optional Papers: Choose any three: English (Elective), Punjabi (Elective), Hindi (Elective), Political Science, Economics, Sociology, Geography, Mathematics and History. General Practicum: (a) School related practicum (b) Life skills training (c) Tutorials
Semester V	Semester VI
Compulsory Papers: Paper-1 Technological Bases of Education and Pedagogy Paper-2 Health and Yoga Education Paper-3 English Paper-4 Punjabi/HCP Paper-5,6 &7 Optional Papers: Choose any three: English (Elective), Punjabi (Elective), Hindi (Elective), Political Science, Economics, Sociology, Geography, Mathematics and History. General Practicum: (a) School related practicum (b) Life skills training (c) Tutorials	Compulsory Papers: Paper-1 Educational Research and Statistics Paper-2 Value Education Paper-3 English Paper-4 Punjabi/HCP Paper-5,6 &7 Optional Papers: Choose any three: English (Elective), Punjabi (Elective), Hindi (Elective), Political Science, Economics, Sociology, Geography, Mathematics and History. General Practicum: (a) School related practicum (b) Life skills training (c) Tutorials
Semester VII	Semester VIII
Compulsory Papers: Paper-1 Theory of Education: Philosophical, Sociological and Political perspectives Paper-2 The Learner-Nature and Development Paper-3 Theory of Instructional Technology Paper-4 School Management Paper-5 Information and Communication Technology (ICT) in Education Paper-6 & 7 Optional Papers: Choose any two: English, Punjabi, Hindi, History, Geography, Economics, Social Studies, Political Science, Mathematics and Sociology.	Internship Programme and Pedagogy Practice (16 weeks) Tasks related to School internship: (Document & SWOT analysis, Case Study, Organization of School function, Co-curricular activities, Morning assembly, Social awareness programmes, Cleanliness & beautification of School Campus, Career Counselling Sessions, Life Skill Training and Preparation & Maintenance of various School Records)

THRUST AREAS: Perspectives of Education (Philosophical, Psychological, Sociological), Educational Technology, Life Skills, Pedagogical skills and school based experience.

PLACEMENTS: The placement cell is active in grooming employability skills of students by conducting resume writing, group discussions and interview skills development sessions. Students are provided expert guidance for CTET examination, training in various pedagogies, school based experiences, and career related knowledge for future employment. In future, institute is planning to hold placement drive by collaboration with various schools.

ALUMNI RELATIONS: Institute holds its annual alumni meet in which views are exchanged among the alumni members and present students. It provides a platform for seeking suggestions and constructive feedback.

DEPARTMENT OF LIFE LONG LEARNING AND EXTENSION

ABOUT THE DEPARTMENT

Department of Life Long Learning & Extension was established in 1977 in the Panjab University in the name of Centre for Continuing Education. It was rechristened as Department of Life Long Learning and Extension in November, 2009. The UGC mandate for the department is to promote philosophy of Life Long Learning as a part of educational programmes of the University by involving schools, affiliated colleges, departments of P.U., NGOs etc. To achieve this, the department is

making concrete efforts to integrate formal and non-formal educational & vocational programmes by reaching to larger section of society especially deprived groups through vocational and skilled development programmes. These programmes include Basic Course in Computer, Literacy, Fashion Designing, Cosmetology, Skin Care, Block Painting, First Aid, Family Life Education, Life Skills and Personality Development etc. The target groups in these programs are university students, employees, youth, school dropouts, school students, community at large, etc. The department has an Equal Opportunity Cell and organises programmes for SC/ST/OBC and minority communities. The programme organized for them are Remedial classes in English, Punjabi, Math and Science and UGC/NET coaching classes. The faculty of the department facilitates the students from the faculty of Education & Arts to pursue their research leading to awards of Ph. D degree. Besides this, faculty members organize need based interdisciplinary programmes for the community.

In addition to this, the department lays stress on the awareness generation programmes as part of extension services and life long education on issues concerning quality of life improvement such as, safe environment, safe drinking water, preventing communicable diseases, women empowerment, health and cleanliness, female feticide, HIV/AIDS awareness, nutrition and health, human rights, domestic violence against women and youth. Besides this, the department organizes training programmes for schools teachers, faculty development programmes, helpline for students, seminars and workshops on relevant themes.

The Department also continuously organises Skill Development and Short Term Vocational Programmes in the affiliated colleges of Panjab University.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Sween	Education, Environmental Education, Guidance & Counseling and Extension Education.
Associate Professor	Prabha Vig	Education, Guidance and Counseling, Life Long Learning Curriculum Development and Teacher Education.
Assistant Professors	Renu Gandhi Parmjit Singh Kang (Chairperson)	Adolescents Education, Adult Education, Life Long Learning, Women Empowerment, Extension Education and Research Methodology. Political Science, International Relations, Geopolitics, Political Geography, Guidance for Council for Civil Services and UGC/NET and Life Long Learning and Extension.

COURSE OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
Diploma in Pre-School Education	15 + 2 NRI +1 Foreign National	1 Year	Passed 10+2 examination in any stream from a recognized Education Board/ CBSE.	Based on Merit

TITLE OF THE SYLLABUS (Details syllabus e available at <http://lifelonglearning:puchd.ac.in/>)

Diploma

Semester-I		Semester-II	
Paper-1	Pre-School Education in Emerging India	Paper-1	Aspects of Child Development
Paper-2	Child Development Community	Paper-2	Working with Parents and Community
Paper-3	Programme Planning for Pre-School Education	Paper-3	Field based Project work on Pre-School Education

THRUST AREAS: Computer Literacy, Life Long Learning and Awareness Generation, Vocational Courses in Fashion Designing, English Speaking & Personality Development, Life Skill Education and Family Life Education, Remedial Coaching, Skill Generation, Research, Training and Extension, Guidance and Counseling.

PLACEMENTS: Our old students have been placed in the number of Nursery Schools, Various Anganwari Centers and Creches as Care takers, Teachers and Instructors.

DEPARTMENT OF PHYSICAL EDUCATION

ABOUT THE DEPARTMENT

The Department of Physical Education was started in the year of 1963 with M.A in Physical Education. The department has emerged as one of the premier centre of Physical Education in India. It has acquired a prominent status in the country and

has earned several distinctions during its existence. The Department offers B.P.Ed. (Two Years), M.P.Ed. (Two Years), M.Phil. and Doctoral programmes and has highly qualified faculty.

In line with the University mission, the Department has the aim of educating the "whole-person" and to produce quality teachers as well as administrators in the profession of physical education and sports. By improving our academic programmes and services to the University and local community, we pledge to continually strive for academic excellence and to maintain our leadership role in our profession.

FACULTY

Designation	Name	Field of Research Specialization
Professors	Gurmeet Singh	Sports Training Biomechanics & Kinesiology
	Dalwinder Singh	Sports Management Sports Training
Associate Professor	Thingnam Nandalal Singh (Chairperson)	Fitness & Wellness Measurement and Evaluation
Assistant Professor	Raj Kumar	Sports Psychology, Sports Sociology

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.P.Ed.	34+2 NRI	2 Years	<p>Bachelor's Degree in any discipline with 50% marks and having at least participation in the Inter-College / Inter-Zonal / District / School competition in sports and games as recognized by the AIU/IOA/SGFI/Govt. of India.</p> <p>OR</p> <p>Bachelor's Degree in Physical Education with 45% marks</p> <p>OR</p> <p>Bachelor's Degree in any stream with 45% marks and studied physical education as compulsory/elective subject.</p> <p>OR</p> <p>Bachelor's Degree with 45% marks and having participated in National / Inter University / State competitions or secured 1st, 2nd or 3rd position in Inter-College / Inter-Zonal / District / School competition in sports and games as recognized by the AIU/IOA/SGFI/Govt. of India.</p> <p>OR</p> <p>Bachelor's degree with participation in international competitions or secured 1st, 2nd or 3rd position in National / Inter-University competition in sports and games as recognized by respective federations / AIU/IOA/SGFI/Govt. of India.</p> <p>OR</p> <p>Graduation with 45% marks and at least three years of teaching experience (for deputed in-service candidates i.e. trained physical education teachers/coaches).</p> <p>OR</p> <p>Any other qualification recognized by the Syndicate as equivalent thereto.</p>	<p>Based on PU-CET(PG)</p> <p>Academics: 50%</p> <p>PU-CET(PG): 50%</p> <p>Physical Efficiency Test: (to be qualified in 35 Seconds)</p>

M.P.Ed	28+2 NRI	2 Years	Passed one of the following examinations from a recognized University: Bachelor of Physical Education (B.P.Ed) or equivalent with at least 50% marks. OR Bachelor's of Science (B.Sc) in Health and Physical Education with at least 50% marks. OR Any other qualification recognized by the Syndicate as equivalent thereto.	Based on PU-CET(PG) Academics: 50% PU-CET(PG): 50% Physical Efficiency Test: (to be qualified in 35 Seconds)
M.Phil.	10+5 NRI	1 Year	See M.Phil./Ph.D. Prospectus 2019	
Ph.D.	Subject to availability	3-6 Years	See M.Phil./Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates
Additional Sports weightage will be provided as per the Handbook of Information-2019

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

B.P.Ed

Semester-I		Semester-II	
Paper-I	CC-101 History, Principles and Foundation of Physical Education	Paper-V	CC-201 Yoga Education
Paper-II	CC-102 Anatomy and Physiology	Paper-VI	CC-202 Health Education and Environmental Studies
Paper-III	CC-103 Educational Technology and Methods of Teaching in Physical Education	Paper-VII	CC-203 Organization and Administration
Elective Course (Any One)		Elective Course (Any One)	
Paper-IV	EC-101 Olympic Movement	Paper-VIII	EC-201 Contemporary issues in Physical Education, Fitness and Wellness
	EC-102 Officiating and Coaching		EC-202 Sports Nutrition and Weight Management
Semester-III		Semester-IV	
Paper-IX	CC-301 Computer Application in Physical Education	Paper-XIII	CC-401 Measurement and Evaluation in Physical Education
Paper-X	CC-302 Sports Psychology and Sociology	Paper-XIV	CC-402 Kinesiology and Biomechanics
Paper-XI	CC-303 Sports Training	Paper-XV	CC-403 Research and Statistics in Physical Education
Elective Course (Any One)		Elective Course (Any One)	
Paper-XII	CC-301 Sports Medicine, Physiotherapy, and rehabilitation	Paper-XVI	EC-401 Theory of Sports and Games
	CC-302 Curriculum Design		EC-402 Sports Management

M.P.Ed.

Semester-I		Semester-II	
Paper-1	MPCC-101 Research Process in Physical Education and Sports Sciences	Paper-1	MPCC-101 Applied Statistics in Physical Education and Sports
Paper-2	MPCC-102 Test, Measurement and Evaluation in Physical Education	Paper-2	MPCC-102 Sports Biomechanics and Kinesiology
Paper-3	MPCC-103 Theory Game-I (Basketball/ Football/ Gymnastics)	Paper-3	MPCC-103 Track and Field Theory-I
Elective Course (Any One)		Elective Course (Any One)	
Paper-1	MPEC-101 Educational Technology in Physical Education and Sports	Paper-1	MPEC-101 Management of Physical Education and Sports
Paper-2	MPEC-101 Yogic Sciences	Paper-2	MPEC-102 Adapted Physical Education

Semester-III			Semester-IV		
Paper-1	MPCC-101	Exercise Physiology	Paper-1	MPCC-101	Sports Medicine
Paper-2	MPCC-102	Scientific Principles of Sports Training	Paper-2	MPCC-102	Professional Preparation and Curriculum Designs in Physical Education
Paper-3	MPCC-102	Theory Game-II (Badminton/ Hockey/ Volleyball)	Paper-3	MPCC-103	Theory Track and Field-II
Elective Course (Any One)			Elective Course (Any One)		
Paper-1	MPEC-102	Sports Psychology	Paper-1	MPEC-101	Health, Physical Fitness, Wellness and Sports Nutrition
Paper-2	MPEC-102	Sports Sociology	Paper-2	MPEC-102	Dissertation

THRUST AREAS: Health and Wellness, Sports Training and Pedagogic Techniques in Physical Education and Sports, Sports Biomechanics, Exercise Physiology and Sports Medicine, Sports and Physical Education History, Research Methodology in Physical Education, Measurement and Evaluation in Physical Education and Sports, Sports Sociology, Kinanthropometry, Sports Management, Sports Psychology and Yoga.

PLACEMENTS: Physical Education Teachers in Schools (DPE'S and Lecturers), Assistant Professors in Colleges and Universities, Assistant Directors in Universities, DPE'S in Colleges, Health, Fitness and Sports Trainers, Gym Instructors and Sports Event Managers.

ALUMNI RELATIONS: Department organizes alumni reconnect meets time to time to keep in touch with its alumni members.

V. FACULTY OF ENGINEERING AND TECHNOLOGY
Dr. S.S. BHATNAGAR UNIVERSITY INSTITUTE OF CHEMICAL
ENGINEERING & TECHNOLOGY

ABOUT THE INSTITUTE

Dr. S.S. Bhatnagar University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh (<http://www.uicet.puchd.ac.in>) is a premier Institute in Northern India imparting quality education in Chemical Engineering, Food Technology and allied areas. Institute is currently running the courses in B.E. (Chemical Engineering), B.E.(Food Technology), Integrated B.E. (Chemical Engineering)-MBA, M.E. (Chemical Engineering), M.Tech. (Polymer), M.E. (Food Technology), M.Sc. (Industrial Chemistry) and M.E. (Chemical with specialization in Environmental Engineering). The faculty of the institute is involved in guiding students under Faculty of Engineering & Technology to pursue their research leading to award of Ph.D. degree. The Institute was set up in 1958 in collaboration with Illinois Institute of Technology, Chicago, USA and continues to maintain global standards of excellence in education and research. The Institute has attained status of eminence in academia, R&D within India and abroad. Over the years, the Institute have been bestowed with research grants from premier funding agencies like DST, AICTE, UGC, DRDO, MOFPI, CSIR, TEQIP-III, etc. The faculty works in collaboration with Industry, Research Organizations and Statutory Bodies contributing extensively towards high quality research.

FACULTY

Designation	Name	Field of Research Specialization
Professors	U.S. Shivhare	Food Engineering
	Meenakshi Goyal	Chemical Technology (Inorganic & Organic), Science & Technology of Carbon
	Neeta Sharma	Inorganic Chemistry, Applied/Environmental Chemistry, Analytical Techniques/Chemistry
	Sanchita Chauhan (Chairperson)	Modeling and Simulation, Environmental Engineering, Chemical Reaction Engineering
	Amrit PalToor	Mass Transfer and Environment Engineering
	Anupama Sharma	Polymer Science Engineering, Synthesis of Biodegradable Polymers and their Nanocomposites, Nanocellulose Extraction and its Utilization
	Anupama Thakur	Polymer Science Engineering
	Seema Kapoor	Thermodynamics, Energy Technology, Nano Biomaterials Engineering
	Ritu Gupta	Hydrodynamics, Process Dynamics & Control, Modeling & Simulation
	Urvashi Gupta	Hydrodynamic and Hydromagnetic Stability Problems for Viscoelastic Fluids, Micropolar Fluids and Nanofluids for Thermal Convection / Double-Diffusive Convection.
Associate Professors	Sushil Kumar Kansal	Mass Transfer, Environmental Engineering, Nano Technology
	Subodh Kumar Agrawal	Heat Transfer
	Gaurav Verma	Polymers and Material Science, Nano Technology
Assistant Professors	Santanu Basu	Food Engineering, Food Material Science
	Gargi Ghoshal	Fermentation Technology, Cereal Technology
	Maninder Kaur	Power System, Energy and Environment
	Amit Sobti	Complex Flow Hydrodynamics
	Baljinder Kaur Gill	Chemical Engineering Thermodynamics
	Gaurav Rattan	Reaction Engineering, Pollution Control
	Surinder Singh	Petroleum Engineering, Separation Technology, Energy & Environment
	Sonia Sharma	Nano Biomaterial
Jodh Singh	Mechanical Engineering	

	Nidhi Singhal	Management
	Harjit Kaur	Management
	Sanjeev Kumar Gautam	Experimental Condensed Matter Physics, Materials Science, Advanced Functional Materials
Assistant Professors	Harpreet Kaur	Creep Behaviour of Isotropic and Anisotropic Materials
(Temporary basis)	Twinkle Bedi	Database & Operating System

Courses Offered (Semester System)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.E. (Chemical Engineering)	89+11 NRI + 4 Foreign National	4 years	As per Joint Admission Committee (JAC 2019) Information Brochure 2019	Based on JEE (Main) Merit-2019
B.E. (Food Technology)	30+3 NRI+ 2 Foreign National	4 years	-do-	-do-
Integrated B.E. (Chemical)-MBA	36+5NRI+ 2 Foreign National	5years	-do-	-do-
M.E. (Chemical Engineering)	20+2 NRI + 1 Foreign National	2 years	B.E./B.Tech. (Chemical (04 years) or Five Year Integrated B.E. (Chem.) with MBA with a CGPA of 6.75 or at least 60% marks in the aggregate (where % marks are awarded) in the qualifying examination i.e. B.E. / B.Tech. (Chemical) (04 years) or Five Year Integrated B.E. (Chem.) with MBA or any other equivalent qualifying degree as approved by the Syndicate.	Based on Entrance Test P.U.-CET-(P.G.). The merit list of eligible P.U.-CET-(P.G.) qualified candidates shall be as per the following criteria: Academic Marks : 50% P.U. CET (PG) : 50% In case of GATE qualified candidates, they will be given priority during the admission process. They are not required to appear in the PU -CET-PG.
M.Tech. (Polymer)	15+5 Part-time+2 NRI+ 1 Foreign National	2 years	B.E./B.Tech.(Chemical) (04 years) or Five Year Integrated B.E. (Chem.) with MBA with a CGPA of 6.75 or at least 60% marks in the aggregate (where % marks are awarded) in the qualifying examination i.e. B.E. / B.Tech. (Chemical) (04 years) or Five Year Integrated B.E. (Chem.) with MBA or any other equivalent qualifying degree as approved by the Syndicate. OR Master's degree with at least 55% marks in the aggregate in Technical Chemistry / Applied Chemistry / Industrial Chemistry/ Chemistry (with Mathematics upto graduation) or an equivalent examination from Panjab University or any other recognized University.	Based on Entrance Test P.U.-CET-(P.G.). The merit list of eligible P.U.-CET-(P.G.) qualified candidates shall be as per the following criteria: Academic Marks : 50% P.U. CET (PG) : 50% In case of GATE qualified candidates, they will be given priority during the admission process. They are not required to appear in the PU -CET-PG.

M.E. (Chemical with specialization in Environmental Engineering)	10+1 NRI+ 1 Foreign National	2 years	B.E./B.Tech. (Chemical (04 years) or Five Year Integrated B.E. (Chem.) with MBA with a CGPA of 6.75 or at least 60% marks in the aggregate (where % marks are awarded) in the qualifying examination i.e. B.E./B.Tech.(Chemical) (04 years) or Five Year Integrated B.E. (Chem.)with MBA or any other equivalent qualifying degree as approved by the Syndicate.	Based on Entrance Test P.U.-CET-(P.G.). The merit list of eligible P.U.-CET-(P.G.) qualified candidates shall be as per the following criteria: Academic Marks : 50% P.U. CET (PG) : 50% In case of GATE qualified candidates, they will be given priority during the admission process. They are not required to appear in the PU -CET-PG.
M.E. (Food Technology)	10+1 NRI+ 1 Foreign National	2 years	B.E./B.Tech. degree in Food Technology / Dairy Technology/Agricultural Engineering / Food Engineering / Chemical Engineering/ Chemical Technology (04 years) or Five Year Integrated B.E. (Chem.) with MBA or any other equivalent qualifying degree as approved by the Syndicate with a CGPA of 6.75 or at least 60% marks in the aggregate (where % marks are awarded).	Based on Entrance Test P.U.-CET-(P.G.). The merit list of eligible P.U.-CET-(P.G.) qualified candidates shall be as per the following criteria: Academic Marks : 50% P.U. CET (PG) : 50% In case of GATE qualified candidates, they will be given priority during the admission process. They are not required to appear in the PU -CET-PG.
M.Sc.(Industrial Chemistry)	17+2 NRI+ 1 Foreign National	2 years	B.Sc. (Three Year Course) with Mathematics and Chemistry as compulsory subjects/ B.Sc. (Hons.) (Chemistry)/ B.Sc. (Hons.) Chemistry with Maths as a compulsory subject/ B.Sc.(Three Year Course) with Industrial Chemistry and Mathematics as compulsory subject or any other equivalent examination as approved by the syndicate, Panjab University, Chandigarh. A candidate seeking admission must have obtained a minimum CGPA of 6.25 OR 55% marks (where % marks are awarded) in the qualifying examination mentioned above.	Based on Entrance Test P.U.-CET-(P.G.). The merit list of eligible P.U.-CET-(P.G.) qualified candidates shall be as per the following criteria: Academic Marks : 50% P.U. CET (PG) : 50%
Ph.D.	Subject to Availability	3-6 years	See on Phil./Ph.d prospectus 2019	
* 5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates.				

Titles of Syllabi : Detailed Syllabi available at <http://puuchd.ac.in/syllabus.php>

B.E. (Chemical Engineering)

Semester I	Semester II
Paper 1 Mathematics -I Paper 2 Physics Paper 3 Chemistry (Inorganic) Paper 4 Communication Skills Paper 5 Engineering Graphics Paper 6 Engineering Workshop Paper 7 Physics Lab. Paper 8 Chemistry (Inorganic) Lab. Paper 9 Communication Skills Lab.	Paper 1 Mathematics -II Paper 2 Chemistry (Organic) Paper 3 Electrical & Electronics Engineering Paper 4 Material & Energy Balance Paper 5 Computer Programming for problem solving Paper 6 Electrical & Electronics Engineering Lab. Paper 7 Chemistry (Organic) Lab. Paper 8 Computer Lab.
Semester III	Semester IV
Paper 1 Physical Chemistry Paper 2 Fluid Flow Paper 3 Process Plant Material & Energy Balance Paper 4 Engineering Materials Paper 5 Strength of Materials Paper 6 Process Equipment Design (Pr)	Paper 1 Mathematics - III Paper 2 Heat Transfer Paper 3 Chemical Engineering Thermodynamics Paper 4 Organic Chemistry Paper 5 Mechanical Operations Paper 6 Comprehensive Viva (Pr)
Semester V	Semester VI
Paper 1 Numerical methods in Chemical Engineering Paper 2 Energy Technology Paper 3 Chemical Reaction Engineering-I Paper 4 Mass Transfer-I Paper 5 Chemical Technology (Inorganic) Paper 6 Process Plant Design-I (Pr) Paper 7 Chemical Engineering Computation lab (Pr)	Paper 1 Chemical Reaction Engineering-II Paper 2 Mass Transfer-II Paper 3 Process Dynamics & Control Paper 4 Chemical Technology (Organic) Paper 5 Departmental Elective-I (Petroleum Processing Engineering)
Semester VII	Semester VIII
Paper 1 Transport Phenomena Paper 2 Environmental Engineering Paper 3 Process Modelling and Simulation (Pr) Paper 4 Industrial Training Paper 5 Process Plant Design-II (Pr) Paper 6 Project work (Pr) Paper 7 Open Elective - I Paper 8 Department Elective-II	Paper 1 Process Instrumentation Paper 2 Process Engineering Economics Paper 3 Project work (Pr) Paper 4 Comprehensive viva (Pr) Paper 5 Literature survey and Report Writing and Seminar (Pr) Paper 6 Open Elective-II Paper 7 Open Elective-III Paper 8 Department Elective-III
B.E. (Food Technology)	
Semester I	Semester II
Paper 1 Mathematics -I Paper 2 Chemistry (Organic) Paper 3 Electrical & Electronics Engineering Paper 4 Material & Energy Balance Paper 5 Computer Programming for problem solving Paper 6 Electrical & Electronics Engineering Lab. Paper 7 Chemistry (Organic) Lab. Paper 8 Computer Lab.	Paper 1 Mathematics -II Paper 2 Physics Paper 3 Chemistry (Inorganic) Paper 4 Communication Skills Paper 5 Engineering Graphics Paper 6 Engineering Workshop Paper 7 Physics Lab. Paper 8 Chemistry (Inorganic) Lab. Paper 9 Communication Skills Lab.

Semester III	Semester IV
Paper 1 Element of Bio & Food Science Paper 2 Fluid Flow Paper 3 Biochemistry & Nutrition Paper 4 Process Plant Material & Energy Balance Paper 5 Organic Chemistry	Paper 1 Chemical Engg Thermodynamics Paper 2 Food Chemistry Paper 3 Food Microbiology Paper 4 Mechanical Operation Paper 5 Strength of Materials Paper 6 Process Equipment Design (Pr) Paper 7 Comprehensive Viva- I (Pr)
Semester V	Semester VI
Paper 1 Heat Transfer Paper 2 Mass Transfer -I Paper 3 Processing of Cereal & Pulses Paper 4 Processing of Fruits and vegetables Paper 5 Beverage Technology Paper 6 Confectionery Technology Paper 7 Beverage & Confectionary Technology(Pr) Paper 8 PPD-I (Pr)	Paper 1 Numerical Methods in Chemical Engineering Paper 2 Mass Transfer-II Paper 3 Chemical Reaction Engineering-I Paper 4 Processing of oil seeds, oils and fats Paper 5 Processing of milk and milk products Paper 6 Chemical Engineering Computation Lab (Pr) Paper 7 PPD-II Lab (Pr)
Semester VII	Semester VIII
Paper 1 Process Dynamics and Control Paper 2 Open Elective I Paper 3 Process Engg. Economics Paper 4 Departmental Elective- I Paper 5 Project Work (Pr) Paper 6 Literature Survey, report writing and Seminar (Pr) Paper 7 Industrial Training	Paper 1 Environmental Engineering Paper 2 Department Elective II Paper 3 Open Elective II Paper 4 Open Elective III Paper 5 Departmental Elective III Paper 6 Project work (Pr) Paper 7 Process Modelling and Simulation Lab (Pr) Paper 8 Comprehensive Viva (Pr)
Integrated B.E. (Chemical)-MBA	
Semester I	Semester II
Paper 1 Mathematics -I Paper 2 Chemistry (Organic) Paper 3 Electrical & Electronics Engineering Paper 4 Material & Energy Balance Paper 5 Computer Programming for problem solving Paper 6 Management & Organizational Behavior Paper 7 Electrical & Electronics Engineering Lab. Paper 8 Chemistry (Organic) Lab. Paper 9 Computer Lab.	Paper 1 Mathematics -II Paper 2 Physics Paper 3 Chemistry (Inorganic) Paper 4 Communication Skills Paper 5 Managerial Economics Paper 6 Engineering Graphics Paper 7 Engineering Workshop Paper 8 Physics Lab. Paper 9 Chemistry (Inorganic) Lab. Paper 10 Communication Skills Lab.
Semester III	Semester IV
Paper 1 Process Plant Material & Energy Balance Paper 2 Fluid Flow Paper 3 Engineering Materials Paper 4 Mathematics-III Paper 5 Organic Chemistry Paper 6 Research Methods in Management Paper 7 Principles of Management	Paper 1 Physical Chemistry Paper 2 Mechanical operations Paper 3 Chemical Engineering Thermodynamics Paper 4 Comprehensive Viva-I (Pr) Paper 5 Chemical Technology-(Inorganic) Paper 6 Strength of Materials Paper 7 Process Equipment Design (Pr)

Semester V	Semester VI
Paper 1 Heat Transfer Paper 2 Mass Transfer-I Paper 3 Process Plant Design -I (Pr) Paper 4 Chemical Technology -Organic Paper 5 Departmental Elective-I Paper 6 Operations Research	Paper 1 Numerical Methods in Chemical Engineering Paper 2 Energy Technology Paper 3 Chemical Reaction Engg-I Paper 4 Chemical Engineering Computation Lab (Pr) Paper 5 Mass Transfer-II Paper 6 Process Plant Design-II (Pr) Paper 7 Open Elective-I Paper 8 Managerial Economics
Semester VII	Semester VIII
Paper 1 Chemical Reaction Engineering-II Paper 2 Process Dynamics and Control Paper 3 Industrial Training-I Paper 4 Project Work (Pr) Paper 5 Process Engineering Economics Paper 6 Literature Survey, Report Writing and Seminar (Pr) Paper 7 Open Elective-II Paper 8 Department Elective-II Paper 9 Marketing Management	Paper 1 Transport phenomena Paper 2 Environment Engineering Paper 3 Process Modelling and Simulation (Pr) Paper 4 Project Work (Pr) Paper 5 Comprehensive Viva (Pr) Paper 6 Open Elective-III Paper 7 Department Elective-III Paper 8 Financial Accounting Paper 9 Business Environment
Semester IX	Semester X
Paper 1 Financial Management Paper 2 Project Management and Entrepreneurship Paper 3 Supply Chain and Logistics Management Paper 4 Marketing Research & Consumer Behaviour Paper 5 Organizational Behaviour Paper 6 Elective-I Paper 7 Technology Management & Excellence Paper 8 Industrial Training (Management)-II Paper 9 Research Project (Management) (Pr) Paper 10 Workshop on Developing Entrepreneurial Skills (Pr) Paper 11 Workshop on Communication and Soft Skills (Pr)	Paper 1 Strategic Management Paper 2 Business Law Paper 3 Strategic Cost Management Paper 4 Human Resource Management Paper 5 Management of Financial Services Paper 6 Business Process Reengineering Paper 7 Elective-II Paper 8 Research Project (management) Pr) Paper 9 Comprehensive Viva Management (Pr) Paper 10 Seminar on Corporate Governance (Pr) Paper 11 Workshop on Management Information Systems (Pr)
M.E. (Chemical Engineering)	
Semester I	Semester II
Paper 1 Mathematical Methods in Chemical Engineering Paper 2 Fluid Mechanics Paper 3 Mass Transfer Paper 4 Chemical Engineering Thermodynamics Paper 5 Transport Phenomena	Paper 1 Heat Transfer Paper 2 Research Methodology Paper 3 Chemical Reaction Engineering Paper 4 Process Dynamics & Control Paper 5 Process Modeling & Simulation Paper 6 Process Modeling & Simulation (Pr) Paper 7 Seminar (Pr)
Semester III	Semester IV
Paper 1 Open Elective Paper 2 Elective Paper 3 Preliminary Thesis	Paper I Thesis

M.E. (Food Technology)

Semester I		Semester II	
Paper 1	Food Engineering	Paper 1	Food Packaging
Paper 2	Biochemical Engineering	Paper 2	Selected topics in Fruits and Vegetable Processing
Paper 3	Food Safety and Quality Management	Paper 3	Food Process Equipment Design
Paper 4	Selected Topics of Cereals, Oilseeds and Pulses	Paper 4	Research Methodology
Paper 5	Functional Foods and Nutraceuticals	Paper 5	Food Product Development
Paper 6	Biochemical Engineering-I (Pr)	Paper 6	Food Processing and Analysis (Pr)
Paper 7	Food Process Engineering (Pr)		
Semester III		Semester IV	
Paper 1	Analytical Techniques	Paper 1	Thesis
Paper 2	Electives		
Paper 3	Preliminary thesis		

M.Sc. (Industrial Chemistry)

Semester I		Semester II	
Paper 1	Chemical Engineering-I	Paper 1	Chemical Engineering-II
Paper 2	Chemical Technology (Organic)	Paper 2	Chemical Technology (Inorganic)
Paper 3	Process Instrumentation	Paper 3	Engineering Materials
Paper 4	Analytical Techniques	Paper 4	Industrial Management
Paper 5	Material & Energy Balances	Paper 5	Mathematics
Paper 6	Numerical Analysis	Paper 6	Chemical Engineering Lab.-II (Pr)
Paper 7	Chemical Engineering Lab.-I Pr)	Paper 7	Chemical Technology Lab. (Inorganic) (Pr)
Paper 8	Chemical Technology Lab. (Organic) (Pr)	Paper 8	Materials Lab. (Pr)
Paper 9	Analytical Techniques Lab. (Pr)	Paper 9	Computer Applications (Pr)
Semester III		Semester IV	
Paper 1	Chemical Engineering-III	Paper 1	Thesis
Paper 2	Industrial Pollution Control		
Paper 3	Elective		
Paper 4	Open Elective		

M.Tech. (Polymer)

Semester I		Semester II	
Paper 1	Polymer Physics	Paper 1	Polymer Processing Techniques
Paper 2	Polymer Chemistry & Characterization	Paper 2	Polymer Reaction Engineering
Paper 3	Macromolecular Hydrodynamics	Paper 3	Composite Materials
Paper 4	Polymer Materials	Paper 4	Polymer Product Design
Paper 5	Numerical Methods	Paper 5	Process Modeling & Simulation in Polymer Systems
Paper 6	Chemical Engineering Fundamentals	Paper 6	Process Modeling & Simulation Lab (Pr)
Paper 7	Polymer Science Laboratory-I (Pr)	Paper 7	Seminar (Pr)
Paper 8	Computer Applications (Pr)		
Semester III		Semester IV	
Paper 1	Elective	Paper 1	Thesis
Paper 2	Open Elective		
Paper 3	Preliminary Thesis		
Paper 4	Polymer Science Lab.-II (Pr)		

M.E. (CHEMICAL WITH SPECIALIZATION IN ENVIRONMENTAL ENGINEERING)

Semester I		Semester II	
Paper 1	Mathematical Methods in Chemical Engineering	Paper 1	Heat Transfer
Paper 2	Fluid Mechanics	Paper 2	Research Methodology
Paper 3	Mass Transfer	Paper 3	Chemical Reaction Engineering
Paper 4	Chemical Engineering Thermodynamics	Paper 4	Process Dynamics & Control
Paper 5	Transport Phenomena	Paper 5	Process Modeling & Simulation
Paper 6	Air Pollution Control Engineering	Paper 6	Solid Waste Management
		Paper 7	Process Modeling & Simulation (Pr)
		Paper 8	Seminar (Pr)
Semester III		Semester IV	
Paper 1	Open Elective	Paper I	Thesis
Paper 2	Elective		
Paper 3	Preliminary Thesis		
Paper 4	Waste Water Treatment Technology		

Scheme and Syllabi of all above UG and PG courses offered are based on the year of enrollment of the students and subject to change as per requirements.

THRUST AREAS: Agro Waste and Food Processing, Biomaterials, Biopolymers, Carbon Technology and its application, Chemical Reaction Engineering, Chemical Engineering Thermodynamics, Environmental Engineering, Food Product Development, Modeling and Simulation, Nanomaterials and their applications, Polymer Nanocomposites, Polymer Rheology.

ALUMNI RELATIONS: Institute has a very strong alumni base. The alumni of the Institute occupy coveted positions in all spheres of Corporate, Academia and Government Sector in India and abroad. They are associated with industries like IOCL, Petronet-LNG, HMEL, Hindustan Unilever Ltd., Vedanta, Honeywell UOP, Loreal, Ranbaxy, ITC, Nestle, Wrigley, KBR, ONGC, Shell India Ltd., Cairn India, EIL, Bechtel, Fluor Daniel, GAIL and many more.

PLACEMENTS: Numerous MNCs and many reputed companies that regularly visit our institute include; Universal Oil Products (UOP), Reliance Industries Limited (RIL), Petronet LNG, Indian Synthetic Rubber Limited (ISRL), Infosys, Kellogg Brown & Root (KBR), Samsung Engineering, Technip KT India Ltd., SRF Chemicals, ZS Associates, Jubilant Life Sciences, IOL Chemicals & Pharmaceuticals Limited, Chandigarh Distillers & Bottlers Limited, HPCL Mittal Energy Limited, EXL Service, Bechtel, AakashInstitute, Chambal Fertilizers, The Safety Masters, Fluor Daniel, Vedanta Resources Ltd, Mahindra & Mahindra, Gujarat Fluorochemicals Limited, ITC Foods, Source Fuse Technologies, Nestle India, Cadbury, CBI, HMEL etc. Students have over the year secured high GATE scores making their way to public sector companies like IOCL, BPCL, EIL, BARC, HPCL etc. The maximum package offered to the B.E. students during placements in the Institute is about Rs. 7.95 lacs/annum (2017-18).

UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY

ABOUT THE INSTITUTE

UIET was established by Panjab University as a constituent institute in 2002. With the vision to be the front runner in engineering education and research, the mission of University Institute of Engineering and Technology (UIET) is to produce professionally competent students for career in engineering and technology by providing value-based quality education. It offers four years Bachelor of Engineering (B.E), two years Master of Engineering (ME) and full time Ph.D in Biotechnology, Computer Science and Engineering, Information Technology, Electrical and Electronics, Electronics and Communication and Mechanical Engineering. It offers eight post graduate programs in Biotechnology, Computer Science and Engineering, Information Technology, Electrical, Electronics and Communication, Mechanical Engineering, Microelectronics and Material Science & Technology. Five UG Programs have got NBA accreditation namely Biotechnology, Computer Science and Engineering, Electrical and Electronics, Electronics and Communication and Mechanical Engineering. UIET has MOUs with industry leaders and academia like Infosys, Spice Digital Limited, PGIMER, CSIO, C-DAC, the University of Western Australia, IIT Kanpur, IIT Roorkee etc.

The faculty is involved in various sponsored research projects at the national and international level. Sponsored research projects are from different agencies like DIT, AICTE, DST, Department of Biotechnology Welcome Trust, etc. The Institute is receiving grants under TEQIP-III, a World Bank project. The institute has Design Innovation Centre (DIC) which is an initiative of Ministry of Human Resource Development (MHRD), Government of India.

FACULTY**REGULAR FACULTY**

Designation	Name	Field of Research Specialization
Professors	Savita Gupta (Director)	Bio-medical image Processing, Cognitive Enhancement wavelets & Sensor Networks
	Renu Vig	Signal Processing and Fuzzy Logic
	Sukhwinder Singh	Bio-medical image Processing, Wireless Sensor networks
	J. K. Goswamy	Nuclear Structure in mass A~100 region Material Science
	Sanjeev Puri	Polycystic Kidney Disease and Stem Cell Biology
	Gurdeep Singh	Data warehousing and data mining
	Harmesh Kumar	Manufacturing Technology, Quality Control, Design and Manufacturing Welding
	Sunil Agarwal	Neural Networks & Applications, Signal Processing and Wireless Communication
	Vinay Kanwar	Numerical Analysis fluid Dynamics
	Krishan Kumar	Network Security
	Manu Sharma	Active Vibration control Vibrations, Design
	Harish Kumar	Wireless Networks, Information Retrieval
	Sakshi Kaushal	Wireless Networks, Cloud Computing, Security
	Sarbjeet Singh	Cloud Computing, Social Networks Analysis
	Amrinder Pal Singh	System Modelling and Control, Composite materials, nano composites, wear
	Associate Professors	Manoj Kumar Sharma
Sanjay Vohra		Mechanics Of Materials
Naveen Aggarwal		Data Mining, Image Processing
Ajay Mittal		Image processing Computer vision and machine learning
Monika Randhawa		Theoretical High Energy physics
Arvind Rajput		Semiconductor and VLSI
Roopali Garg		Electronics & Communication
Inderdeep Kaur Aulakh		Wireless Communication Networks
Yajvender Pal Verma		Distributed generation Micro and optimization, Renewable energy integration and electrical market issues
Veenu Mangat		Data Mining & Warehousing
Assistant Professors	Saurabh Bhatia	Numerical Analysis
	Sharmelee Thangjam	Signal Processing
	Deepak Kumar	Microgrids, Power systems issues
	Kalpana Dahiya	Operation Research
	Naresh Kumar	Wireless and Mobile Communication
	Vishal Sharma	VLSI and Microelectronics
	Jaget Singh	Antenna and Microwave Engineering
	Sumit Budhiraja	Signal Processing and Communication
	Mukesh Kumar	Web Mining, Computer Networks
	Shankar Sehgal	Design and Manufacturing, Powder Metallurgy
	Mandeep Kaur	Image Processing
	Jaspreet Kaur	Cellular and molecular medicine, Microbial Biochemistry
	Hema Setia	Polymer Science
	Anupreet Kaur	Chemical Engg.
	Vishal Gupta	Natural Language Processing, Information Retrieval
Amandeep Verma	Parallel & Distributed Computing	
Makhan Singh	Software Engg, Cloud computing	

Assistant Professors	Puneet Jai Kaur	Software Engineering
	Shailendra Kumar Arya	Enzyme Biology
	Nisha Tayal	Microcontroller, Embedded systems and Automation Smart grid
	Shuchi Gupta	Condensed Matter
	Harbhinder Singh	Theory of Machines and Robotics
	Surjeet Singh	Rotodynamics Machines and Heat Transfer
	Damanjeet Kaur	Power systems optimization, Distribution systems Planning
		Optimization using AI Techniques
	Poonam Sood	Vibration Control, Model Updating, FEM
	Amandeep Singh Wadhwa	Rotodynamics Machines and Engineering Mechanics
	Jaswinder Singh Mehta	Design Engineering
	Amit Chauhan	Tribology, journal bearing, Metal Composite and wind energy
	Prashant Jindal	Nano Composites, materials characterization, 3d Printing, Biomedical Devices
	Rajesh Kumar	CAD/CAM, Robotics, Nano technology
	Preetika Sharma	Analog and Digital Electronics, semiconductor technologies, Nano Electronics
	Sarpreet Kaur	Smart Grid, Power Systems Analysis, designing of Electrical machines using Finite element Analysis
	Preeti Gupta	Digital System Design, Control System and Biometrics
	Neeraj Sharma	Optical Fibre Communication
	Charu Madhu	Nanophotonics, Optical Communication
	Nidhi	Bio Signal Processing
	Puneet Kaur	Power Electronics
	Preeti	Optical Communication (wired and wireless) and Optical Biosensor
	Amit Chaudhary	Semiconductor and VLSI
	Parveen Goyal	Manufacturing Process and Technology, Non-Conventional Machining
	Anjali Gupta	Machine Design, Rotodynamics Machines
	Gaurav Sapra	Nano Technology, Wireless Communication, Digital Signal Processing, Microcontroller and Embedded System design
	Parul Gaur	Power Electronics, Optimization using PSO techniques and other Algorithm, Communication Engg.
	Raj Kumari	Parallel & Distributed Computing
	Sukesha Sharma	Embedded System
	Monika	Software Engineering
	Akashdeep	Digital Image Processing, Wireless Networks
	Nirmal Kaur	Systems parallel and distributed computing, cloud computing
	Mamta Junega	Digital Image Processing
	Rohit Kumar	Software Engineering
	Gagandeep Singh	Machine Design, Refrigeration and Air Conditioning
	Aditya Kaushik	Numerical Analysis
	Tukesh Soni	Mechanical Vibration
	Mintoo Rattan	Solid Mechanics
	Anil Kumar	Organic Chemistry
	Renu Thapar	B-Lactam Antibiotics
	Prashant K Nanda	Nuclear medicine & Synthetic in organic materials
	Madhu Khatri	Nano medicine and Nano toxicology
	Mary Chatterjee	Cancer Biology
	Jagjit Singh	Matrix Analysis
	Neelam Goel	Bioinformatics, Soft Computing, Machine Learning
	Sunil Bansal	Experimental High Energy Physics
	Aditi Gupta	Power System Deregulation Congestion Management, Control System

Assistant Professors	Suresh Kumar Vivek Pahwa Sabhyata Uppal Soni Nishima Yogita Preeti Aggarwal Ravreet Kaur Deepti Gupta	Experimental Condensed Matter Physics/Material Science Electrical Machines and drives, Power systems power Electronics Digital Communication , optical & Wireless Communication Nano Science And Nano Technology Data Mining & Databases Digital Image Processing Parallel and distributed computing, computer networks, algorithm analysis and design Wireless Sensor Networks
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TEMPORARY FACULTY

Designation	Name	Area of Specialization
Assistant Professors	Jyoti Sood Hitesh Kapoor Anu Jhamb Geetu Sarvjit Singh Garima Joshi Daljeet Kaur Rajni Sobti Sukhvir Singh Renuka Rai Pardeep Kaur Ranjana Bhatia Prabhjot Kaur Parminder Kaur Minakshi Garg Jyoti Sharma Dhirti Anaahat Dhindsa Jatinder Singh Rajneesh Singla Sanjiv Kumar Harvinder Kaur Anu Priya Minhas Vijay Kumar Gurpreet Kaur Kuldeep Singh Bedi Amit Thakur Mamta Sharma	Theoretical condensed Matter Physics HR & Marketing Human Resource Management Quantum Information Processing Wireless Communication Gesture Recognition and Machine Learning Image Processing Mobile Adhoc Networks Mobile Adhoc Networks Theoretical Stochastic processes Optical Fiber Communication & Embedded Systems Microbiology Operation Research Biochemistry Bioinformatics and Food biotechnology Instability of nano fluids Medical Image Processing Image Processing VLSI Design, Digital Design Image processing Optical Communication Optical Communication Yeast molecular biology, Plant Biotechnology VLSI Design Digital Signal Processing Power Electronics firewall Photovoltaic System, Power System Nano Technology, Nano fibres, Nano traditional Machining. Experimental Condensed Matter Physics/Material Science

In addition to the regular faculty, UIET is utilizing the expert knowledge of senior faculty of other departments of Panjab University and from professional institutes like Punjab Engineering College (Deemed to be University), National Institute of Pharmaceutical Education & Research (NIPER), Institute of Microbial Technology (IMTECH) and NITTTR, Chandigarh College of Engineering & Technology, etc as Guest Faculty.

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.E. in Computer Science & Engg.	108+5 EWS + 11 NRI+ 5 Foreign National	4 Years	A candidate, who has passed 10+2 examination with Physics and Mathematics as compulsory subjects	The admission to the first semester of these B.E. Courses will be open to the eligible
B.E. in Information Technology	108+5 EWS + 11 NRI+ 5 Foreign National	4 Years	alongwith one of the Chemistry / Biotechnology / Biology / Technical Vocational subjects and at least 60%	candidates on the basis of their ranking in the JEE (Main) 2019 conducted by the C.B.S.E.

B.E. in Electronics & Communication	120 +6 EWS + 12 NRI+ 6 Foreign National	4 Years	marks in aggregate (55% marks in case of SC/ST/BC/PwD conducted by OR recognized Board / University/ Council in March/ April 2019 and not earlier than March/April 2017.	
B.E. in Biotechnology	81+4 EWS +8 NRI+4 Foreign National	4 Years		
B.E. in Electrical and Electronics	81+4 EWS +8 NRI+ 4 Foreign National	4 Years		
B.E. in Mechanical	81+4 EWS +8 NRI+4 Foreign National	4 Years		
M.E. in Computer Science & Engineering	20+2 NRI+ 1 Foreign National	2 Years	B.E. or B.Tech or equivalent degree in Computer Science and Engineering/ Information Technology with at least 60% marks in aggregate from Panjab University or any other University as recognized by Panjab University as equivalent thereto.	Admission will be done on the basis of GATE Score. In Case of left over seats, admission will be done on the basis of Entrance Test P.U.-CET-(P.G.) to be conducted by the Panjab University according to the following criteria : Academic Weightage : 50% Entrance Test : 50%
M.E. in Electronics & Communication	20+2 NRI+ 1 Foreign National	2 Years	B.E. or B.Tech or equivalent degree in Electronics / Electronics & Communication Engg. / Electronic & Telecommunication Engineering/Engineering with at least 60% marks in aggregate from Panjab University or any other University as recognized by Panjab University as equivalent thereto.	Admission will be done on the basis of GATE Score. In Case of left over seats, admission will be done on the basis of Entrance Test P.U.-CET-(P.G.) to be conducted by the Panjab University according to the following criteria : Academic Weightage : 50% Entrance Test : 50%
M.E. Mechanical Engineering	20+2 NRI+ 1 Foreign National	2 Years	B.E./B.Tech. in Mechanical Engineering/Production Engineering with at least 60% marks in aggregate from Panjab University or any other University recognized by Panjab University as equivalent thereto.	Admission will be done on the basis of GATE Score. In Case of left over seats, admission will be done on the basis of Entrance Test P.U.-CET- (P.G.) to be conducted by the Panjab University according to the the following criteria : Academic Weightage : 50% Entrance Test : 50%
M.Tech. Microelectronics	12+3 SC/ST +2 NRI+ 1 Foreign National	2 Years	B.E./B.Tech or equivalent degree in Computer Science and Engineering/ Electrical/ Electrical & Electronics/ Electronics/ Microelectronics / Electronics & Electrical Communications/ Electronics & Telecommunication/ Electronics & Communication/Information Technology/Instrumentation Engineering/M.Sc. Applied Physics/ M.Sc. Physics with specialization in	Admission will be done on the basis of GATE Score. In Case of left over seats, admission will be done on the basis of Entrance Test P.U.-CET-(P.G.) to be conducted by the Panjab University according to the following criteria : Academic Weightage : 50% Entrance Test : 50%

			Electronics or M.Sc. in Electronics (as approved by AICTE) with minimum 60% marks in aggregate from Panjab University or any other University recognized by Panjab University as equivalent thereto.	
M.E. in Information Technology	20+2 NRI+ 1 Foreign National	2 Years	B.E. or B.Tech or equivalent degree in Information Technology / Computer Science & Engineering/Electronics/ & Communications Engineering/ Electrical & Electronics Engineering/ Computer Science & Electronics Engineering/Software Engineering with atleast 60% marks in aggregate from Panjab University or any other University recognized by Panjab University as equivalent thereto.	Admission will be done on the basis of GATE Score. In Case of left over seats, admission will be done on the basis of Entrance Test P.U. - CET - (P.G.) and in the following order of preference : i) PU-CET(PG) in CSE ii) PU-CET(PG) in ECE iii) PU-CET(PG) in EEE and according to the following creteria : Academic Weightage : 50% Entrance Test : 50%
M.E. in Electrical Engg. (Power System)	20+2 NRI+ 1 Foreign National	2 Years	B.E./B.Tech in Electrical/Electrical & Electronics Engineering with at least 60% marks in aggregate from Panjab University or any other University recognized by the Panjab University as equivalent thereto.	Admission will be done on the basis of GATE Score. In Case of left over seats, admission will be done on the basis of Entrance Test P.U.-CET- (P.G.) to be conducted by the Panjab University according to the the following criteria : Academic Weightage : 50% Entrance Test : 50%
M.Tech Material Science & Technology	20+2 NRI+ 1 Foreign National	2 Years	M.Sc. (Physics), M.Sc. (Chemistry), B.E. Mechanical/ Electrical/Electrical & Electronics Communication/Civil/ Production) with at least 60% marks in aggregate from Panjab University or any other University recognized by the Panjab University as equivalent thereto.	Admission will be done on the basis of GATE Score. In Case of left over seats, admission will be done on the basis of Entrance Test P.U.-CET-(P.G.) to be conducted by the Panjab University according to the following criteria : Academic Weightage : 50% Entrance Test : 50%
M.E. in Biotechnology	20+2 NRI+ 1 Foreign National	2 Years	B.E. / B.Tech. (Biotechnology) with atleast 60% marks in aggregate from Panjab University or any other University recognized by Panjab University as equivalent thereto.	Admission will be done on the basis of GATE Score. In Case of left over seats, admission will be done on the basis of Entrance Test P.U.-CET- (P.G.) to be conducted by the Panjab University according to the the following criteria : Academic Weightage : 50% Entrance Test : 50%
M.E. in Cyber Security	20	2 Years	B.E. or B.Tech. or equivalent degree in Computer Science & Engineering/ Information Technology with atleast 60% marks in aggregate from P.U. or any other recognised University.	Admission will be done on the basis of GATE Score. In Case of left over seats, admission will be done on the basis of Entrance Test P.U.-CET- (P.G.) to be conducted by the Panjab University according to the the following criteria : Academic Weightage : 50% Entrance Test : 50%

Ph.D.

Department	Seats	Duration of course	Eligibility/Admission Criteria
Computer Science Engineering	04	3-6 years	See M.Phil./Ph.D. Prospectus 2019
Information Technology	28		
Electrical and Electronics Engineering			
Bio-Technology	11		
Mechanical Engineering	10		
Electronic & Communication Engineering	10		
Applied Science			

BACHELOR OF ENGINEERING (COMPUTER SCIENCE AND ENGINEERING)

Semester I*		Semester II*	
Paper 1	Calculus	Paper 1	Differential Equations and Transforms
Paper 2	Introduction to Computer Science and Engineering	Paper 2	Communication Skills
Paper 3	Programming Fundamentals	Paper 3	Applied Chemistry
Paper 4	Physics Course 1	Paper 4	Digital Electronics and Logic Design
Paper 5	Ethics and Self Awareness	Paper 5	Object Oriented Programming
Paper 6	Introduction to Environment Science	Paper 6	Workshop Practice
Semester III		Semester IV	
Paper 1	Data Structures	Paper 1	Analysis and Design of Algorithms
Paper 2	Database Systems	Paper 2	Web Technologies
Paper 3	Discrete Structures	Paper 3	Operating Systems
Paper 4	Microprocessors	Paper 4	Software Engineering
Paper 5	Economics	Paper 5	Computer Architecture and Organization
Paper 6	Vocational Training (After 2nd Semester)		
Semester V		Semester VI	
Paper 1	Data Communication and Networks	Paper 1	Computer Networks and Security
Paper 2	Technical Communication and Soft Skills	Paper 2	Linear Algebra and Probability Theory
Paper 3	Computer Graphics	Paper 3	Modeling and Simulation
Paper 4	Artificial Intelligence	Paper 4	Compiler Design
Paper 5	Principle of Programming Languages	Paper 5	Option: Any of the following
			1. Software Testing and Quality Assurance
			2. Soft computing
			3. Data Mining and Analysis
			4. Mobile Application Development
			5. Data Acquisition and interfacing
			6. Multimedia Computing
Paper 6	Theory of Computation		
Paper 7	Industrial Training (after 4th semester)		
Paper 8	Principles of Designing (optional)		
Semester VII		Semester VIII (Option-I)	
Paper 1	Digital Image Processing	Paper 1	Management
Paper 2	Advance Database Systems	Paper 2	Network Science: Structural Analysis and Visualization
Paper 3	Cyber Laws and IPR	Paper 3	Elective -IV Option: Any of the following
			1. Building Enterprise Applications
			2. Expert Systems
			3. Machine Learning and Computational Intelligence
			4. Distributed Computing
			5. Pattern Recognition

<p>Paper 4 Elective-II Option: Any of the following</p> <ol style="list-style-type: none"> 1. Software Project Management 2. Natural Language Processing 3. Business Intelligence 4. Wireless Sensor Networks 5. Sensor Systems and Application <p>Paper 5 Elective-III Option: Any of the following</p> <ol style="list-style-type: none"> 1. Agile Software Development 2. Neural Networks 3. Cloud Computing 4. Mobile Computing 5. Smart System Design <p>Project-I Industrial Training (After 6th Semester) *subject to any change by competent authority.</p>	<p>Paper 4 Elective V Option: Any of the following</p> <ol style="list-style-type: none"> 1. Software Agents 2. Human Computer Interaction 3. Information Retrieval and Management 4. Cryptography and Network Security 5. Advance Image Processing <p>Paper 5 Project-II</p> <p>Option-2 Industrial Training</p>
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BACHELOR OF ENGINEERING (INFORMATION TECHNOLOGY)

Semester I*	Semester II*
<p>Paper-1 Calculus</p> <p>Paper-2 Introduction to Information Technology</p> <p>Paper-3 Programming Fundamental</p> <p>Paper-4 Physics Course 1</p> <p>Paper-5 Ethics and Self Awareness</p> <p>Paper-6 Basic Electrical Engineering</p>	<p>Paper-1 Differential Equations and Transforms</p> <p>Paper-2 Communication Skills</p> <p>Paper-3 Physics Course 2</p> <p>Paper-4 Workshop Practice</p> <p>Paper-5 Introduction to Environmental Science</p> <p>Paper-6 Object Oriented Programming using C++</p>
Semester III	Semester IV
<p>Paper-1 Linear Algebra and Probability Theory</p> <p>Paper-2 Social and Professional Aspects of Information Technology</p> <p>Paper-3 Data Structures</p> <p>Paper-4 Digital Electronics</p> <p>Paper-5 Computer Architecture and Organization</p>	<p>Paper-1 Elective-I (from Humanities and Social Sciences)</p> <ol style="list-style-type: none"> 1. Economics 2. Introduction to Psychology 3. Sociology 4. Russian Language <p>Paper-2 Discrete Structures</p> <p>Paper-3 Microprocessor & Assembly Language Programming</p> <p>Paper-4 Computer Networks</p> <p>Paper-5 Operating System</p> <p>Paper-6 Web and Open Source Technologies</p> <p>Paper-7 Educational Tour</p>
Semester V	Semester VI
<p>Paper-1 Database Management System</p> <p>Paper-2 Wireless Communication Technologies</p> <p>Paper-3 Network Security and Cryptography</p> <p>Paper-4 Design and Analysis of Algorithms</p> <p>Paper-5 Professional Elective-I (choose any one from the following)</p> <ol style="list-style-type: none"> 1. Java Programming/ Technologies 2. UNIX Network Programming 3. Python Programming <p>Paper-6 Industrial Training (after 4th semester)</p>	<p>Paper-1 Data Warehouse and Data Mining</p> <p>Paper-2 Agile Software Development</p> <p>Paper-3 Theory of Computation</p> <p>Paper-4 Artificial Intelligence</p> <p>Paper-5 Professional Elective-II (choose any one from the following)</p> <ol style="list-style-type: none"> 1. Advanced Computer Networks 2. Computer Graphics 3. Advanced Cryptography 4. Software Engineering

Semester VII		Semester VIII	
Paper-1	1.Digital Signal Processing	Paper-1	Digital Image Processing
Paper-2	2.Agile Software Development	Paper-2	Embedded System Design
Paper-3	3.Compiler Design	Paper-3	Java Technologies
Paper-4	Elective-II (Choose any one from the following)	Paper-4	Elective-III (Choose any one from the following)
	1. Cloud Computing		1. Theory of Computation
	2. Artificial Intelligence		2. Soft Computing
	3. Principle of Telecommunication		3. Natural Language Processing
Paper-5	Project-I	Paper-5	Seminar
Paper-6	Industrial Training (after 6th Semester)	Paper-6	Project II
		OR	
		Paper-1	Industrial Training 6 months

*subject to any change by competent authority.

BACHELOR OF ENGINEERING (ELECTRONICS & COMMUNICATION ENGINEERING)

Semester I*		Semester II*	
Paper-1	Calculus	Paper-1	Differential Equations and Transforms
Paper-2	Introduction to Electronics	Paper-2	Ethics and Self Awareness
Paper-3	Workshop Practice	Paper-3	Physics Course 1
Paper-4	Applied Chemistry	Paper-4	Introduction to Environmental Science
Paper-5	Communication Skills	Paper-5	Analog Electronic Circuits - I
Paper-6	Computer Programming	Paper-6	Digital Design
Semester-III		Semester-IV	
Paper-1	Linear Algebra & Complex Analysis	Paper-1	Communication Engineering
Paper-2	Signals and Systems	Paper-2	Microcontroller & Interfacing
Paper-3	Microprocessor and Applications	Paper-3	Computer Networks
Paper-4	Electronic Devices and Circuits	Paper-4	Analog Electronic Circuits
Paper-5	Electronics Measurements & Instrumentation	Paper-5	Probability and Random Processes
Paper-6	Elective (from Humanities and Social Sciences)	Paper-6	Electromagnetic Theory
	1. Economics		
	2. Introduction to Psychology		
	3. Sociology		
	4. French Language		
	5. Russian Language		
	6. Entrepreneurship and Project management		
			Education Tour
Semester-V		Semester-VI	
Paper-1	VLSI Design	Paper-1	Microwave & Radar Engineering
Paper-2	Digital Signal Processing	Paper-2	Fiber Optic Communication Systems
Paper-3	Antennas & Wave Propagation	Paper-3	Digital Communication
Paper-4	Digital System Design	Paper-4	Control Systems
Paper-5	Advanced Microcontrollers & Applications	Paper-5	Power Electronics
Paper-6	Departmental Elective Course-1 (Any one of the following)	Paper-6 & 7	Departmental Elective Course-II (Any one of the following)
	1. Data Structures and Algorithms		1. Information Theory & Coding
	2. Audio and Visual Systems		2. Satellite Communications
	3. Bio-medical Electronics		3. Data Acquisition and Hardware Interfacing
			4. Speech and Audio Processing
	Summer Training		Project-1

Semester-VII		Semester-VIII	
Paper-1	Wireless & Mobile Communication	Paper-1 & 2	Departmental Elective Course-V, VI 1. Digital Image Processing 2. Advanced Digital Communication 3. Neural Networks & Fuzzy Logic 4. HDL based Systems 5. Wireless Sensor Networks
Paper-2	Embedded System Design	Paper-3 & 4	Departmental Elective Course-VII & VIII 1. Optical Networks 2. MEMS and Microsystems 3. Imaging and Additive Manufacturing 4. Advanced Digital Signal Processing
Paper-3	Departmental Elective Course-III (Any one of the following) 1. Operation Research 2. Operating Systems 3. Nano Technology 4. Adaptive Signal Processing	Seminar-II	
Paper-4	Departmental Elective Course-IV 1. Computer Architecture and Organization 2. Artificial Intelligence 3. High Speed Semiconductor Devices	Option-2 Industrial Training	
Paper-5	Seminar-I Project-II Summer Training		

*subject to any change by competent authority.

BACHELOR OF ENGINEERING (BIOTECHNOLOGY)

Semester I*		Semester II*	
Paper-1	Calculus	Paper-1	Differential Equation and Transform
Paper-2	Basic Biology	Paper-2	Communication Skills
Paper-3	Computer Programming	Paper-3	General Chemistry
Paper-4	Physics Course 1	Paper-4	Workshop Practice
Paper-5	Ethics and Self Awareness	Paper-5	Basic Biotechnology
Paper-6	Introduction to Environment Science	Paper-6	Fundamentals of Biotechnology and Bioengineering
Semester-III		Semester-IV	
Paper-1	Process Calculations	Paper-1	Molecular Biology
Paper-2	Microbiology	Paper-2	Thermodynamics
Paper-3	Biochemistry	Paper-3	Chemical Reaction Engineering
Paper-4	Cell Biology & Genetics	Paper-4	Industrial Biotechnology
Paper-5	Linear Algebra and Operations Research	Paper-5	Immunology & Immuno-technology
Paper-6	Elective 1. Economics 2. Introduction to Psychology 3. Sociology		
Semester-V		Semester-VI	
Paper-1	Enzyme Engineering & Technology	Paper-1	Recombinant DNA Technology
Paper-2	Bio-Process Engineering	Paper-2	Bio-Informatics
Paper-3	Animal Cell Culture & Biotechnology	Paper-3	Bioreactor Design and Operation
Paper-4	Transport Phenomena	Paper-4	Down Stream Processing
Paper-5	Bioinstrumentation	Paper-5	Open Elective (Biomaterials)
Paper-6	Training of 4- 6 weeks after 4th semester exams		

Semester-VII		Semester-VIII	
Paper-1	Environmental Biotechnology	Paper-1	Major Project
Paper-2	Food Biotechnology	Paper-2	Enzyme catalyzed Organic Synthesis
Paper-3	Plant Tissue Culture	Paper-3	Project Management and Entrepreneurship
Paper-4	Bio-analytical Techniques	Paper-4	Modeling and Simulation of Bioprocesses
Paper-5	Minor Project	Paper-5	Elective
Paper-6	Training of 4- 6 weeks after 6th semester exams		Nanobiotechnology Microbial Biodiversity

*subject to any change by competent authority.

BACHELOR OF ENGINEERING (ELECTRICAL & ELECTRONICS ENGINEERING)

Semester I*		Semester II*	
Paper-1	Calculus	Paper-1	Differential Equation and Transform
Paper-2	Introduction to electronics	Paper-2	Ethics and self awareness
Paper-3	Applied Chemistry	Paper-3	Physics Course I
Paper-4	Communication Skill		1. Oscillation and optics
Paper-5	Basic Electrical Engineering		2. Quantum and statistical physics
Paper-6	Workshop Practice		3. Physics of Materials
		Paper-4	Computer Programming
		Paper-5	Introduction to environment science
		Paper-6	Electrical Measurement and instrumentation
		Paper-7	Innovative product design (Summer Vacations training)
Semester-III		Semester-IV	
Paper-1	Electric Machinery-I	Paper-1	Numerical Analysis
Paper-2	Network Analysis and Synthesis	Paper-2	Electric Machinery-II
Paper-3	Analog and Digital Electronics	Paper-3	Control Engineering
Paper-4	Linear Algebra and Complex Analysis	Paper-4	Power Systems-I
Paper-5	Elective (from Social Sciences)	Paper-5	Microprocessor and Interfacing
	One of the following		
	1. Economics		
	2. Introduction to Psychology		
	3. Sociology		
	4. German Basics for Engineering Students		
Semester-V		Semester-VI	
Paper-1	Power Systems-II	Paper-1	Computer Aided Power Systems Analysis
Paper-2	Microcontrollers	Paper-2	Programmable Logic Controller and Distributed Control System
Paper-3	Communication Engineering	Paper-3	Signals and Systems
Paper-4	Electromagnetic Field Theory	Paper-4	Energy Management & auditing
Paper-5	Control Engineering-II	Paper-5	Power Electronics
Paper-6	Vocational Training after Fourth Semester		Subjects offered by DIC (OPTIONAL)
	Subjects offered by DIC (OPTIONAL)	Paper-6	Sensors based Application Systems
Paper-7	Principles of Designing and Engineering Processes		
Semester-VII		Semester-VIII	
Paper-1	Power Electronic and Drives	Option-I	
Paper-2	Electrical Insulation in Power Apparatus & Systems	Paper-1	Non - Conventional Energy Sources
Paper-3	Digital Signal Processing	Paper-2	Wireless Communication
Paper-4	Elective-I		
	1. Electrical Traction	Paper-3	Elective -II
	2. Electrical Power Generation		1. Electrical Machine Design
	3. Electrical utilization and illumination		2. High Voltage AC-DC
			3. FACTS
			4. Embedded System Design

Paper-5 Minor Project Paper-6 Seminar Paper-7 Vocational Training after Sixth Semester	Paper-4 Elective -III 1. Cyber Laws and IPR 2. Marketing Management 3. Financial Management 4. Entrepreneurship and Project Management Paper-5 Major Project Option-II Paper-1 Six Month Industrial Training
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*subject to any change by competent authority.

BACHELOR OF ENGINEERING (MECHANICAL)

Semester-I*	Semester-II*
Paper-1 Calculus Paper-2 Engineering Mechanics-I Paper-3 Introduction to Manufacturing Processes Paper-4 Applied Chemistry Paper-5 Communication Skills Paper-6 Introduction to Environmental Science	Paper-1 Differential Equations and Transforms Paper-2 Ethics and Self-Awareness Paper-3 Physics of Materials Paper-4 Engineering Mechanics-II Paper-5 Engineering Graphics Paper-6 Computer Programming (MATLAB Programming for Engineers)
Semester-III	Semester-IV
Paper-1 Engineering Thermodynamics-I Paper-2 Mechanics of Materials-I Paper-3 Theory of Machines-I Paper-4 Machine Drawing Paper-5 Manufacturing Processes Paper-6 Engineering Dynamics	Paper-1 Engineering Thermodynamics-II Paper-2 Mechanics of Materials-II Paper-3 Theory of Machines-II Paper-4 Manufacturing Technology- I Paper-5 Fluid Mechanics-I Paper-6 Maths 3
Semester-V	Semester-VI
Paper-1 Design of Machine Elements-I Paper-2 CAD/CAM (Computer Aided Design & Manufacturing) Paper-3 Robotics Paper-4 Mechanical Measurement Paper-5 Manufacturing Technology- II Paper-6 Fluid Mechanics-II Paper-7 Vocational Training-1 (After 4th Semester) Paper-8 Optional- Principles of Designing.	Paper-1 Design of Machine Elements -II Paper-2 Finite Element Methods Paper-3 Mechanical Vibrations Paper-4 Heat Transfer Paper-5 Materials and Heat Treatment Paper-6 Non Conventional Manufacturing
Semester-VII	Semester-VIII
Paper-1 Refrigeration and Air Conditioning Paper-2 Automatic Controls Paper-3 Automobile Engineering Paper-4 Numerical Analysis Paper-5 Minor Project Paper-6 Vocational Training after 6th semester Paper-7 Elective-I 1. Thermal Plant Engineering 2. Gas Dynamics 3. Renewable Energy Sources 4. Advanced Mechanics of Materials-I 5. Work Study 6. Mechanical Behavior of Materials-1 7. Vehicle Dynamic 8. Materials Design 9. Total Quality Management 10. Financial Management	Paper-1 Mechatronics Paper-2 Operation Research Paper-3 Computational Fluid Dynamics Paper-4 Elective-II Paper-5 1. Experimental Stress Analysis 2. Metrology 3. Mechanical Handling 4. Bearings and Lubrication 5. Plastic and Rubber Technology 6. Advanced Fluid Machinery 7. Production and Operations Management 8. Theory of elasticity & plasticity 9. Advanced Mechanics of Materials -2 10. Advances in Engineering Materials 11. Mechanical Behavior of Materials-2 12. Rotor Dynamics 13. Imaging And Additive manufacturing

11. Business Laws 12. Human Resource Management *subject to any change by competent authority.	14. Project Management and Entrepreneurship Major Project Option-2 Industrial Training
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ME COMPUTER SCIENCE AND ENGINEERING

<p>Semester I</p> Paper 1 Advance Algorithms Paper 2 Advance Databases Paper 3 Advance Computer Networks Paper 4 Option: Any of the following i. Software Testing and Quality Management ii. Advance Software Engineering iii. Project Management iv. Business Intelligence v. Building Enterprise Applications Paper 5 Option: Any of the following i. Advance Computer Architecture ii. Parallel and Distributed Computing iii. Cloud Computing iv. Modeling and Simulation	<p>Semester II</p> Paper 1 Digital Image Processing Paper 2 Research Methodology Paper 3 Soft Computing Paper 4 Option: Any of the following I. Data Warehousing and Mining II. Machine learning III. Data Acquisition and Hardware Interfacing Paper 5 Option: Any of the following I. Network Security II. Multimedia Computing and Communications III. Wireless Networks IV. Telecommunication Technologies Paper 6 Research Seminar
<p>Semester III</p> Paper 1 Option: Any of the following i. Natural Language Processing ii. Machine Vision iii. Open Source Software iv. Information Retrieval Paper 2 Option: Any of the following i. Cyber Laws & IPR ii. Business Process Re-Engineering iii. Technology Management iv. Human Resource Development and Training Methods Paper 3 Preliminary Thesis Work	<p>Semester IV</p> Paper 1 Thesis

M.E. (ELECTRONICS & COMMUNICATION ENGINEERING)

<p>Semester I</p> Paper-1 Advanced Digital Signal Processing Paper-2 Fiber-Optic Communication Systems Paper-3 Advanced Digital Communication Paper-4 Digital System Design Paper-5 Elective-I (Any one of the following) 1. Advanced Mathematics 2. Modeling & Simulation of Communication Systems 3. Information Theory & Coding Paper-6 Research Seminar-I	<p>Semester II</p> Paper-1 Embedded System Design Paper-2 Digital Image Processing Paper-3 Wireless & Mobile Communication Paper-4 Elective-II (Any one of the following) Imaging and Additive Manufacturing VLSI Design Nano Electronics Paper-5 Elective -III (Any one of the following) 1. Advanced Computer Networks 2. Satellite Communications 3. Design & Applications of New Materials 4. RF & Microwaves 5. Speech and Audio Processing 6. Adaptive Signal Processing Paper-6 Research Seminar-II
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Semester-III		Semester-IV	
Paper-1	Elective- IV (Any one of the following) 1. Neural Network & Fuzzy Logic 2. Simulation & Modeling 3. Smart Systems Technologies 4. PLC & SCADA	Paper-1	Thesis
Paper-2	Elective-V (Any one of the following) 1. Advanced Antenna Systems 2. Cryptography & Network Security 3. Research Methodology 4. Research Methodology 5. Wireless Sensor Networks		
Paper-3	Preliminary Thesis		
M.E. (MECHANICAL ENGINEERING)			
Semester-I		Semester-II	
Paper-1	Advanced Engineering Mathematics	Paper-1	Continuum Mechanics
Paper-2	Design of Experiments	Paper-2	Advanced Manufacturing Processes
Paper-3	Advanced Mechanics of Materials	Paper-3	Advances in Engineering Materials
Paper-4	Industrial Tribology	Paper-4	Structural Dynamics
Paper-5	Elective-I 1. Quality Control and Reliability 2. Manufacturing Science 3. Welding Techniques 4. Tool and Cutter Design 5. Condition Monitoring and Fault Diagnosis 6. Advanced Heat Transfer 7. Gas Dynamics 8. Introduction to Modern FORTRAN	Paper-5	Elective-II a 1. Fluid Dynamics b 2. Experimental Stress Analysis c 3. Mechanical Behavior of Materials d 4. Composite Materials e 5. Model Updating f 6. Mechatronics g 7. Advanced Control System h 8. Imaging and Additive Manufacturing
Semester-III		Semester-IV	
Paper-1	Advanced Machine Design	Thesis Work	
Paper-2	Preliminary Thesis Work		
Paper-3	Elective-III 1. Modeling of Manufacturing Systems 2. Finite Element Method 3. Computational Fluid Dynamics 4. Vibration Testing 5. Optimization Techniques 6. Materials Design		
M.TECH (MICROELECTRONICS)			
Semester-I			
Paper-1	Semiconductor Device physics		
Paper-2	Integrated Circuit Technology.		
Paper-3	MOS Integrated Circuit Modeling.		
Paper-4	Hardware Description Languages and VLSI Design.		
Paper-5	Elective- I (Any one of the following) 1. Computer Aided Design Methodologies and Tools. 2. Material Science & Engineering. 3. Embedded System Design		
Paper-6	Research Seminar- I	Paper-1	Measurement and Characterization Techniques.
		Paper-2	Architecture of VLSI System.
		Paper-3	Analog and Mixed Signal Device Design.
		Paper-4	Advanced Memory Technology and Design.
		Paper-5	Elective- II (Any one of the following) 1. Digital Integrated Circuits and Systems. 2. MEMS and Microsystems. 3. RF and High Speed Digital Design
		Paper-6	Research Seminar-II

<p align="center">Semester-III</p> <p>Paper-1 Low Power Digital CMOS Design Paper-2 Elective- III (Any one of the following) 1. Microelectronic Packaging and Testing 2. Nano Scale Devices and Systems Paper-3 Preliminary Thesis Work ME (INFORMATION TECHNOLOGY)</p>	<p align="center">Semester-IV</p> <p>Paper-1 Thesis</p>
<p align="center">Semester I</p> <p>Paper- 1 Advanced Algorithm Analysis Paper- 2 Object oriented Analysis and Design Paper- 3 Advanced Digital Signal Processing Paper- 4 Wireless and Mobile Communication Paper- 5 Information Security</p>	<p align="center">Semester II</p> <p>Paper- 1 Multimedia Systems Paper- 2 Embedded System Design Paper- 3 Research Methodology Paper- 4 Elective-1 Any one of the following 1. Agile Software Development 2. Advances in Soft Computing 3. Theory of Computation Paper 5 Elective-II Any one of the following 1. Software Testing and Quality Management 2. HRD and Training Methods 3. Advanced Digital Image Processing Paper 6 Research Seminar II</p>
<p align="center">Semester III</p> <p>Paper- 1 Elective-III (Any one of the following) 1. Network Management and Security 2. User Interface Design 3. Cloud Computing Paper- 2 Elective-IV (Any one of the following) 1. Big Data and Analytics 2. Advanced Data Mining 3. Advanced Computer Networks Paper - 3 Project Based Thesis Work - I M.E (ELECTRICAL & ELECTRONICS)</p>	<p align="center">Semester IV</p> <p>Paper 1 Thesis Work-II</p>
<p align="center">Semester-I</p> <p>Paper-1 Advanced Power System Analysis Paper-2 Power System Operation And Control Paper-3 Optimization Techniques Paper-4 Digital Control Systems Paper-5 Power Quality</p>	<p align="center">Semester-II</p> <p>Paper-1 Power Systems Dynamics and Stability Paper-2 EHVAC Transmission Paper-3 Advanced Neural Networks and Fuzzy Logic Paper-4 Elective-I 1. Advanced Power Electronic and Drives 2. Modeling and analysis of Electrical Machines 3. Applied Instrumentation Paper-5 Elective-II 1. Advanced Power System Protection 2. Fast Transients in Power Systems Paper-6 Research Seminar</p>
<p align="center">Semester-III</p> <p>Paper-1 Elective-III 1. Power System Deregulation 2. Power System Reliability Paper-2 Elective-IV 1. HVDC Transmission 2. Flexible AC transmission Systems (FACTS) Paper-3 Preliminary Thesis</p>	<p align="center">Semester-IV</p> <p>Paper-1 Thesis</p>

M.TECH MATERIAL SCIENCE & TECHNOLOGY

Semester-I		Semester-II	
Paper-1	Materials and their Properties	Paper-1	Advanced Material Characterization
Paper-2	Material Characterization-MST-	Paper-2	Ceramics and Biomaterials
Paper-3	Physics of Nano-materials	Paper-3	Solid State Phase Transformations
Paper-4	Thermodynamics MST	Paper-4	Semiconductors and Optoelectronics
Paper-5	Research Methodology MST	Paper-5	Polymers
Semester-III		Semester-IV	
Paper-1	Magnetism and Superconductivity	Thesis Work	
Paper-2	Nanomaterials		
Paper-3	Preliminary Thesis Work		
MASTER OF ENGINEERING (BIOTECHNOLOGY)			
Semester-I		Semester-II	
Paper-1	Advances in Biochemistry	Paper-1	Research Methodology
Paper-2	Biotechniques	Paper-2	Bioprocess and Bioreactor Engineering
Paper-3	Microbial Biotechnology	Paper-3	Enzyme Engineering
Paper-4	Bioseparation and Bioprocess technology	Paper-4	Genetic Engineering
Paper-5	Elective I	Paper-5	Elective II
	1. Stem Cell Biology		1. Advances in Biomaterials
	2. Cell & Cell Technology		2. Biopharmaceutical Technology
	3. Food Processing and Biotechnology		3. Protein Engineering
Semester-III		Semester-IV	
Paper-1	Elective III	Paper-1	Thesis Work - II
	1. Nano Biotechnology and Nano Devices		
	2. Agriculture Biotechnology		
	3. Bioprocess Control & Instrumentation		
Paper-2	Elective IV		
	1. Biological Waste Water Engineering		
	2. Biostatistics & Computer Applications		
	3. Polymer Science & Engineering		
Paper-3	Thesis Work - I		

THRUST AREAS: Faculty is involved in research in thrust areas like Design and Manufacturing, Traffic Sensing and Information Technologies, Medical Devices and Restorative Technologies, Energy Harvesting and Management Technologies, Transparent Ceramic Material and Technologies, Medical Image Processing, Computer Networking, Cloud Computing, Nano-Materials, Stem Cells, Wireless Communications, Power Systems, Composite Materials etc.

PLACEMENTS: The objective of Training and Placement Cell (TPC) is to provide the best training and placement opportunities to students. Efforts are made by the dedicated members of the team to approach companies and to invite them on campus to recruit students and to provide them the internship opportunities. Over the past many years, UIET has built a strong relationship with many companies that visit UIET on regular basis to recruit students.

TPC also organizes special lectures and soft skills programs regularly, wherein experts from industry are invited and they make students aware about the latest happenings in the industry and guide them about how to prepare for group discussion and appear for interviews, as soft skills play vital role in the selection process.

On an average, around 50 companies visit UIET every year and close to 370 offers are made to final year students who participate in the placement drive. The highest package offered to students hover around 12 LPA and the average package remains around 5 LPA.

Infosys is among our mass recruiters. Some of the other companies that visit UIET are Deloitte, ZS Associates, Unisys, SML ISUZU, Naraggo, Tech Mahindra, UTrade, Mu-Sigma, Zscaler, Jugnoo, Practo, Infogain, SUFI, Utrade, Spice Digital, XL Catlin, Net Solutions, AZCOM, Pernod Ricard, Root Analysis, Click Labs, Gemini Solutions, Quark etc.

ALUMNI AFFAIRS OFFICE -UIET

The Alumni Affairs Office for UIET was established in the year 2013. Since then we have successfully engaged with over 8000 plus alumni worldwide.

The Alumni Affairs Office aims to establish a better alumni network with a vision to inspire and engage alumni in a mutually beneficial lifelong relationship for constant growth and development of UIET and its alumni network. Its mission is to enable intra -alumni network and foster alumni engagement through mentor-mentee relationship among current students as well as the Alumni, It promotes events & forums that add relevance and value to alumni network and to build a collaborative network of change agents which leads to positive impact on society. We are delighted to inform that we have been able to achieve most of our goals due to full dedication and hard work presented by the Students Team for Alumni Relations and constant support by our faculty members. Here is a summary of the Events we have conducted so far and the tasks accomplished in the last five years.

- **Alumni database:** The Alumni Affairs Office has successfully been able to gather and maintain an Alumni Database from the batches of 2006 to batches of 2018. Our aim is to keep the Alumni database up to date as much as possible. The Alumni database comprises of all the personal information related to our alumni ranging from name, contact no., to current location, company and job profile along with data for higher studies.
- **Successfully organised 3 Alumni Interactions for Placements:** The Alumni Affairs Office has successfully organised 3 Alumni Interaction for placements. The Flagship event is organised for the 3rd year students of UIET every year in the month of August. The main aim of the event to provide opportunities to the students to get placed in the top companies and give heads up about GD and PI preparation for the placement drives. The event comprises of Mock GDs, modulated by the experienced UIET Alumni along with PIs comprising of Interview panel made up of UIET Alumni.
- **Technical Lecture and Seminars for the students of UIET:** Many experts across all over India are invited to deliver talks in their respective areas in all the departments of engineering in UIET. The brief summary of various events organised by Alumni Cell are presented here:-

In the month of April 2018, Mr. Divyanshu Malhotra (film director, writer, and producer) Mr. Munish Kumar (Founder and CEO of Omnious Solutions)

Mr. Sharan Mavi (IP core engineer at JIO) visited UIET on 6th April during UIET Alumni Meet. They guided their juniors regarding choosing the creative field as a career, importance of art in our life and career, corporate life in tech and trends in 2018 and entrepreneurship.

In the month of May, 2018, on May 05, Alumni Cell organised Degree Award function for engineering students (2017 pass out students of UIET)

In the month of August, 2018, Alumni Cell organised Alumni interaction at orientation program of first year 2018 batch.

In the month of November, 2018, on 12th November, Mr. Darpan Kalra from Amazon delivered a talk on The Power with in you, after graduating from UIET in 2013, Mr. Darpan got placed from the campus itself and worked with a MNC for a while before joining a startup company as a Software Engineer where he worked for 2 years to gain quality work experience. Later, he completed masters from a Renowned University of the Ivy League from the United States, 'Cornell University'. He guided students the path for a better career. On 23rd November Alumni organised STAR Farewell. On 30th November, Alumni Cell organised Scribbling day.

In the month of December, 2018. On 11th December Alumni meet up was organised, Mr. Ashish Chawla, from KPMG shared his experiences to give student idea about the jobs and career. After completing his graduation from UIET in 2007, he worked for various companies. He started off his career as an information security analyst at HCL. Then he worked for Quadrant risk management and Protiviti as a Consultant. Later, he worked at Ernst & Young as a senior consultant. Then, he completed his post-graduation from IIM BANGALORE and now he is working with KPMG.

In the month of January, 2019. On 25th January, Alumni session was organised for Mr. Prince who was passout in year 2012. He has started his career as a Software Engineer and working as a Lead Research Engineer in Monotype. He took a session focusing on Machine Learning and its necessity in the corporate world. On 29th January, Alumni Interactive session was organised in which two successful Alumni Mr. Kunaal Satija and Mr. Hardik Dhamija, shared their experiences at doing job and at building a startup. Both are passed out from same batch together started their career at Utrade Solutions and then build a startup. Mr. Kunaal Satija, founder and Mr. Hardik Dhamija, co-founder at EDUrev. Their learning app, EDUrev was awarded as the best app of 2017 by Google play store.

In the month of February, 2019. On 1st February, Alumni Meet was organised, Mr. Amit Jindal, a successful Alumnus working in INFOSYS USA, and having experience of about 11 years of doing job in technical field, has given students the idea about how things are in technical field in foreign countries. Mr. Preetoj Singh, working in Germany shared his experience in non-technical field.

Many more events have also been organised.

- **Active Role in NBA Accreditation:** The office played its role in accreditation through maintaining the database for the UIET Alumni. The office also invited Alumni from various fields to interact with the NBA committee for their feedback.
- **Setting up of IPR Cells for UIET:** The office has been also instrumental in setting up of IPR Cell in UIET.
- **Scholarship Disbursement:** The Alumni Cell of UIET is offering two scholarships and sponsoring the internship of two final year students in abroad. This initiative has been started in 2016 and two sponsorships are given to the students.

All of this would not have been possible without consistent support and guidance from the UIET administration and the faculty. We express our gratitude towards the faculty and administration, and wish to see a much better year ahead.

UNIVERSITY CENTRE OF INSTRUMENTATION AND MICROELECTRONICS (UCIM)

ABOUT THE CENTRE

The University Centre of Instrumentation and Microelectronics (UCIM) was established in 1995 and offers M.Tech. (Instrumentation) and M.Sc. (Instrumentation) Courses, each of 2 years (4 semesters) duration. The objective of the centre is to generate trained manpower for Modern Sophisticated Instrumentation and for Microelectronics applications. The facilities available have been supplemented by combining it with the DST funded Sophisticated Analytical Instrumentation Facility (SAIF), Central Instrumentation Laboratory (CIL) and University Science Instrumentation Centre (USIC) which are housed in the same building.

FACULTY

Designation	Name
Professor	Surinder Kumar Mehta (Director)
Associate Professor	H.P.S. Kang
Assistant Professors	Poonam Kumari, Ramesh K. Sharma, Anil K. Sharma

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility *	Admission Criteria
M.Tech (Instrumentation)	10+3SC/ ST+2NRI+ 1 Foreign National	2 Years	B.E./B.Tech. (Chemical / Computer / Electrical / Electronics / Mechanical / Production / Instrumentation / Bio-medical Engineering or equivalent degree /M.Sc. in Physics / Electronics / Instrumentation (as approved by AICTE) with minimum 50% marks in aggregate.	GATE qualified only GATE Score: 50% Academic weightage : 50%
M.Sc. (Instrumentation)	20+2 NRI+ 1 Foreign National	2 Years	B.Sc. (Medical/Non-medical)/Physics/ Electronics /Instrumentation Science / Computer Science/Vocational Physics/ Electronics OR B.E. (E&TC/Instrumentation/ Electrical and Electronics/Electronics & Electrical Communication Engineering) with minimum 50% marks in aggregate.	The merit list will be made on the basis of academic Weightage of the eligibility qualification.

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

Titles of Syllabi : (available at puchd.ac.in/syllabus.)

M.Tech (Instrumentation)

Semester-I		Semester-II	
Course Id.	Title of Course	Course Id.	Title of Course
INS 61.01	Signal Processing-I	INS 62.01	Microprocessors in Instrumentation
INS 61.02	Analog & Digital Electronics	INS 62.02	Automatic Control System
INS 61.03	Transducers-I	INS 62.03	Analytical Instrumentation
INS 61.04	*Foundation of Measurement	INS 62.04	*Robotics
INS 61.05	*Photonics	INS 62.05	*Medical Instruments
INS 61.06	*Design of Mechanical Elements	INS 62.06	*Signal Processing-II
INS 61.07	*Process Dynamics & Control	INS 62.07	*Transducers-II
Semester-III		Semester-IV	
INS 71.01	*Computer Aided Design & Computer Aided Manufacturing	INS 71.04	*Virtual Instrumentation
INS 71.02	*Instrumentation for Special Applications	INS 71.55	Major Project
INS 71.03	*Selected Topics	INS 71.01	Major Project & Thesis
M.Sc. (Instrumentation)		*Elective Subject	
Semester-I		Semester-II	
SEM PO 11	Sensors, Transducers and Actuators for Instrumentation	SEM PO 21	Microprocessor based Instrumentation & System Design
SEM PO 12	Signal conditioning, processing and interfacing techniques	SEM PO 22	Control System Design
SEM PO 13	Instrumentation components, devices and assemblies	SEM PO 23	Power Electronics
SEM PO 14	Principles of Test and Measuring Instruments	SEM PO 24	Process Control and Automation
SEM PO 15	Digital Electronics	SEM PO 25	Optical Instrumentation & Photonics
Semester-III		Semester-IV	
SEM PO 31	Biomedical Instrumentation	SEM PO 41	Seminars
SEM PO 32	Instrumental methods of Analysis	SEM PO 42	Comprehensive Viva
SEM PO 33	Advanced Fabrication Technique	SEM PO 43	Project Work & Project Report
SEM PO 34	Instrumentation Laboratory visit		
SEM PO 35	Project Work		

THRUST AREA: The Centre houses sophisticated instruments and facilities under SAIF viz-TEM, SEM, FE-SEM, NMR, LC-MS/MS, XRD powder, CHNS-O, UV-VIS-NIR, WD-XRF, FTIR, LIQUID NITROGEN PLANT. The SAIF has undergone a rejuvenation phase by replacing some key instruments by state-of-art counterparts. The facilities of the centre go a long way in improving the quality of Research being carried out in Research Institutes and Universities in the entire region comprising the states of Punjab, Haryana, HP, UP, Rajasthan and even Eastern, Western and southern parts of the country. These facilities are also made available to the Industry. It also runs training programmes in technical skills for the benefit of scientific community and associated laboratory staff from different institutes.

TRAINING AND PLACEMENT CELL: The students in our department are less in number. Thus students are advised to submit their bio-data along with UIET students during the AVSAR UIET Job Fair conducted at University Campus.

ALUMNI RELATIONS: Department has its alumni association with strong Alumni base.

SEMINAR/SYMPOSIA/WORKSHOP: Department is actively organising large number of Seminars/Symposia/Workshop for the benefit of faculty/ students.

VI. FACULTY OF LANGUAGES

DEPARTMENT OF CHINESE AND TIBETAN LANGUAGES

ABOUT THE DEPARTMENT

The Department of Chinese and Tibetan Languages was established in 1964 under the name of Central Asian Studies with the aim to provide the language assistance for the research work undertaken in the respective thrust area. It was renamed as Department of Chinese and Tibetan Languages in 2003. At present the department offers six language Courses three each in Tibetan and Chinese. Considering the demand of the Buddhist regions of north India, Department commenced two courses in Buddhist Studies; PG Diploma in Buddhist Studies and M. A. in Buddhist and Tibetan Studies. The department also provides research guidance in Tibetan Language & Buddhist Studies. The faculty members participate actively in national and international seminars and conferences.

FACULTY

Particulars	Name	Field of Research Specialization
Professors	Damodar Panda Vijay Kumar Singh (Chairperson)	Chinese Language Tibetan Language, Buddhist Studies

COURSES OFFERED (ANNUAL SYSTEM / SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
Certificate in Chinese	57+6 NRI+ 3 Foreign National	1 Year	Minimum Intermediate/ Higher Secondary/ Pre-University / Plus-2 examination of the Board of School Education, Punjab/Haryana or Central Board of Secondary Education, Delhi/ ICSE.	Based on Merit
Diploma in Chinese	30+3 NRI+ 2 Foreign National	1 Year	Certificate in Chinese from any University	Based on Merit
Advance Diploma in Chinese	25+3 NRI+ 1 Foreign National	1 Year	Diploma in Chinese from any University	Based on Merit
Certificate in Tibetan	57+6 NRI+ 3 Foreign National	1 Year	Minimum Intermediate/Hr. Sec./Pre- Univ./ Plus-2 examination of the Board of School Education, Punjab/ Haryana or Central Board of Secondary Education, Delhi/ICSE.	Based on Merit
Diploma in Tibetan	17+2 NRI+ 1 Foreign National	1 Year	Certificate in Tibetan from any recognized University	Based on Merit
Diploma of Proficiency of Interpretership in Tibetan	11+2 NRI+ 1 Foreign National	1 Year	Diploma in Tibetan from any recognized University	Based on Merit
PG Diploma in Buddhist Studies	20+2 NRI+ 1 Foreign National	1 Year	Graduation in any discipline from any recognized University.	Based on Merit
M.A. Buddhist and Tibetan Studies	For Private candidates	2 Years	Graduation in any discipline from any recognized University.	
Ph.D. in Chinese/ Chinese Studies	Subject to availability of seats	3-6 Years	See M.Phil/Ph.D. Prospectus 2019	
Ph.D. in Tibetan/ Buddhist Studies	Subject to availability of seats	3-6 Years	See M.Phil/Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

Certificate in Chinese				Diploma in Chinese			
Paper-1	Translation	Paper-2	Grammar and Essay	Paper-1	Translation	Paper-2	Grammar and Essay
Paper-3	Viva-Voce			Paper-3	Viva-Voce		
Advance Diploma in Chinese				Certificate in Tibetan			
Paper-1	Translation	Paper-2	Grammar and Essay	Paper-1	Translation	Paper-2	Grammar and History
Paper-3	Viva-Voce			Paper-3	Viva-Voce		
Diploma in Tibetan				Diploma of Proficiency of Interpretership in Tibetan			
Paper-1	Colloquial Tibetan and History of Tibet	Paper-2	Grammar and Composition	Paper-1	Translation & Transcription	Paper-2	History of Tibet and Composition
Paper-3	Viva-Voce			Paper-3	Viva-Voce		
Post Graduate Diploma in Buddhist Studies							
Paper-1	History & Philosophy Buddhism			Paper-2	Buddhist Language & Literature		
Paper-3	Contemporary Buddhism			Paper-4	Dissertation		
M.A. Part-I (Buddhist and Tibetan Studies)							
Semester-I							
Paper-1	Buddhism in India			Paper-2	Indian Philosophy		
Paper-3	Tibetan Grammar			Paper-4	Translation		
Semester-II							
Paper-5	Buddhist Philosophy			Paper-6	Himalayan and Mahayana Buddhism		
Paper-7	Early Buddhist Literature			Paper-8	Dhammapada And Jataka Stories		
Semester-III							
Paper-9	Tibetan Language & Culture			Paper-10	Tibetan Buddhist Philosophy		
Paper-11	Ethics (Oriental and Occidental)			Paper-12	Later Mahayana and Buddhist Esoterism		
Semester-IV							
Paper-13	Philosophy of Language & Dialectics			Paper-14	Buddhist Art and Architecture		
Paper-15	Buddhism in Tibet			Paper 16	Buddhism in Translation		

THRUST AREAS: Buddhist Studies, Chinese Language, Tibetan Language.

PLACEMENTS: Department sensitizes the students for placements in educational institutions, private companies/MNCs.

ALUMNI RELATIONS: Department organizes alumni meet and guest lectures.

DAYANAND CHAIR FOR VEDIC STUDIES

ABOUT THE CHAIR

The department of Dayanand Chair for Vedic Studies was established in 1975. The aims and objectives of the Chair include the research work on Vedas, Philosophy of Swami Dayanand and Vedic Interpretation of Dayanand. Contribution of Dayananda to Vedic Studies & Indian Philosophy is well known to the Sanskrit World. Research leading to PhD degree is conducted. Published Research work by the faculty in the journals of Vedic Studies contributes to the academic growth of the knowledge concerning various Vedic Texts.

There are two permanent positions in the faculty, one of a Professor and the other of a Assistant Professor. There is one tenure post of Research Fellow. At present Prof Virendra Kumar Alankar is the Chairperson of the department.

FACULTY

Designation	Name	Field of Research Specialization.
Professor	Virendra Kumar Alankar (Acting Chairperson)	Ved, Grammar, Darshan & Literature

COURSE OFFERED

Course	Seats	Duration	Eligibility/Admission Criteria
Certificate course in Vedic Studies	20	1 year	Any Bachelors degree or Post Graduate degree from a recognized University
Ph.D.	Subject to availability	3-6 Years	See M.Phil/Ph.D. Prospectus-2019

THRUST AREAS: The research work on Vedas and Vedic Literature, Philosophy of Swami Dayananda and his interpretation of the Vedas and historical study of Arya Samaj & Vedic Thinkers.

DEPARTMENT OF ENGLISH AND CULTURAL STUDIES**ABOUT THE DEPARTMENT**

The Department of English is one of the premier centres for English in the country. It offers subjects ranging from Contemporary British Literature to Indian Writing in English, from World Literatures to contemporary Critical Approaches. Apart from imparting instruction at the Master's, M.Phil and Ph.D levels, research work on a large scale in new and challenging areas is being conducted by the faculty as well as students.

The department organizes curricular and extra-curricular activities: Quiz Contests, Seminars, Declamation Contests, Group Discussions, Workshops and annual play productions. In addition, the Department brings out a peer-reviewed, international journal bi-annually, dialog. The faculty of the Department is actively engaged in research pursuits and each member has authored several books/research papers. The faculty includes several highly visible academics who have travelled extensively for academic purposes.

The UGC-Special Assistance Programme (Departmental Research Support-II) had been sanctioned to the Department for 5 years (April 01, 2018 to March 31, 2023). The UGC-Special Assistance Programme (Departmental Research Support-II) has also been awarded to the Department for 2016-21.

FACULTY

Designation	Name	Field of Research Specialization
Professors (Re-employed)	Pushpinder Syal	Linguistics, ELT, Indian, Australian and African Literature
Professors	Pratibha Nagpal	Indian Writing in Translation, Cultural Studies
	Deepti Gupta (Chairperson)	Linguistics, ELT
	Anil Raina	Literary Theory
	Harpreet Pruthi	Australian Literature, Shakespeare, Postcolonial Literature
	Lovelina Singh	American Literature/ European Literature
Asstt. Professors	Rumina Sethi	Postcolonial Theory, Indian Writing, Gender Studies
	Akshaya Kumar	Comparative Indian Literature, Cultural Studies
	Surbhi Goel	Cinema, Film Studies
	Meenu Gupta	Literary Theory, Poetry
	Sudhir Mehra	Dalit Literature

COURSES OFFERED (SEMESTER SYSTEM) :

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	95+5 (Vocational) Subject/Functional English)+15 NRI+ 5 Foreign National	2 Years	A person who has passed one of the following examinations from Panjab University or from any other University whose examination has been recognized equivalent to the corresponding examination of this University: (i) A Bachelor's degree obtaining at least 45 per cent marks in English Elective. (ii) A Bachelor's degree obtaining at least 45 per cent marks in English Compulsory subject.	Based on Entrance Test (PU-CET)-PG The Pass percentage in case of Entrance Test in English stands increased to 35% (30% in case of candidate belonging to SC/ST/BC/PwD) 2013-14

			(iii) Bachelor's degree in any faculty obtaining at least 50 per cent marks in the aggregate. (iv) B.A. with Honours in English. (v) B.A./B.Sc with Honours in subject other than English obtaining at least 50 per cent marks in the aggregate. (vi) Master's degree in any other subject obtaining at least 50 per cent marks in the aggregate.	Merit criteria : Academics : 50% PU-CET : 50% 5% Additional Seats created for Vocational Subject (Functional English)
English Proficiency Course	25	20 days taught course) +Online Component	10+2 in any stream.	
M.Phil.	20+2 (NRI)	1 Year	See M.Phil./Ph.D. Prospectus 2019	
Ph.D.	Subject to availability	3-6 Years	See M.Phil./Ph.D. Prospectus 2019	

Titles of Syllabi:**M.A.***

Semester I		Semester II	
Paper-1	Literary Criticism- I	Paper-1	Literary Criticism- II
Paper-2	British Poetry-I	Paper-2	British Poetry-II
Paper-3	British Drama-I	Paper-3	British Drama-II
Paper-4	British Fiction-I	Paper-4	British Fiction-II
Semester III		Semester IV	
Paper-1	Literary Theory- I	Paper-1	Literary Theory- II
Paper-2	Indian Writing in English	Paper-2	Indian Writing in Translation
Paper-3	Postcolonial Studies-I (opt. i)	Paper-3	Postcolonial Studies-II (opt. i)
(Options)	Linguistics-I (opt. ii)	(Options)	Linguistics-II (opt. ii)
	American Literature-I (opt. iii)		American Literature-II (opt. iii)
	Indian Literary Criticism and Theory-I (opt. iv)		Indian Literary Criticism and Theory-II (opt. iv)
Paper-4	Cultural Studies – I (opt. i)	Paper-4	Cultural Studies – II (opt. i)
(Options)	Applied Linguistics-I (opt. ii)	(Options)	Applied Linguistics-II (opt. ii)
	World Drama in Translation (opt. iii)		World Drama in Translation (opt. iii)
	Shakespeare-I (opt. iv)		Shakespeare-II (opt. iv)
Detailed course curriculum is available at http://puchd.ac.in/syllabus			

***The course curriculum for 2019-2021 is in the process of revision.**

English Proficiency Course

The English Proficiency Course is a course for the development of proficiency in the English language skills (Listening, Speaking, Reading and Writing). It aims to provide practice in the exercise of all these skills leading to the proficient and effective use of the English language. The course is in two parts: a taught component run by the Department of English and Cultural Studies, Panjab University to initiate and provide face-to-face interaction and an online component from 'Skills Anytime' to provide individualised learning pathways for language development according to the level of each learner. The course is open to both international and Indian students and members of the public

Skill Areas:

1. Listening : Tasks and activities from recorded material
2. Speaking : Practice of Spoken English in situations: Speech Sounds, stress and tone.
3. Reading : Exercises in reading comprehension
4. Writing : Basic writing tasks e.g. description, note-making, letters.

THRUST AREAS: The Department concentrates on a wide range of subjects that includes: British Literature (Poetry, Prose, Fiction and Drama), American Literature, World Literature, Post-Colonial writings, Critical Theory, Australian Literature, Linguistics & Communication Skills, Feminism (Theory & Practice), Film & Media, Discourse and Cultural Studies.

ALUMNI RELATIONS: The Department has a strong base and abiding relationship with its alumni. Meetings, blood donation camps and cultural events are organized yearly. Yearly scholarships are given to needy students by the alumni.

DEPARTMENT OF FRENCH AND FRANCOPHONE STUDIES

ABOUT THE DEPARTMENT

After having shifted to Chandigarh in 1957 the Department of French & Francophone Studies has grown steadily, and is the most vibrant among foreign language departments. It is the only department among Indian universities in the North of Delhi which offers courses of all levels from Certificate to M.A and Ph.D. In an endeavor to keep pace with the changing times, and to participate in economic development, the course contents are revised and new components introduced from time to time. The infrastructure is continuously being upgraded and computers and projectors are also used in classrooms besides other audio-visual aids in foreign language teaching. New books are added every year to the department library 'Bibliothèque Michel Dèon' named after the renowned writer and member of Académie Française, Michel Deon.

The department arranges lectures by eminent scholars, encourages participation in extracurricular activities and organizes competitions under the aegis of the French Literary Society, of which all enrolled students become members. Many of our alumni have got placement in good multinational companies as well as in universities, colleges and schools in the country. The faculty participates regularly in national and international conferences to present papers and update skills.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Cecilia Antony (Chairperson)	Theatre (XXth Century)
Associate Professor	Gunita Randhawa	Translation
Assistant Professor	Ramnik Aurora	Travel Literature

COURSES OFFERED (ANNUAL/SEMESTER SYSTEM)

Courses	Seats	Duration	Eligibility*	Admission Criteria
Certificate	200+20 NRI+ 10 Foreign National	1 Year	+2 examination of the Board of School Education, Punjab / Haryana or Central Board of Secondary Education, Delhi. OR An examination of another University/Board/Body recognized by the Syndicate as equivalent	On Merit
Diploma	50 + 5 NRI+ 3 Foreign National	1 Year	Certificate course in French / B.A. I with French elective/A2 de L' Alliance Française / Equivalent exam. recognized by P.U.	On Merit
Advanced Diploma	29 + 3 NRI+ 1 Foreign National	1 Year	Diploma Course in French / B.A.II with French Elective/ equivalent exam. recognized by P.U / B1 de L' Alliance Française.	On Merit
M.A.**	17 + 2 NRI+ 1 Foreign National	2 Years	(i) A Bachelor's degree with at least 45 per cent marks in the subject of Postgraduate course or 50 per cent marks in the aggregate. (ii) B.A./B.Sc. Honors. in the subject of the Postgraduate course with 45% or 50 per cent marks in the aggregate.	On Merit

			<p>(iii) Master's degree examination in any other subject. Provided that:-</p> <p>(i) For the M.A. in French, a candidate who has a bachelor's degree under 10+2 +3 system of education and Advanced Diploma in French with at least 45 per cent marks from Panjab University or any other university recognized by Panjab University shall also be eligible.</p> <p>(ii) A candidate who has Master's degree in any other subject must have the knowledge of French equivalent to that of Graduation level/Advanced Diploma to be eligible to apply for M.A. in French.</p> <p>(iii) A candidate who has 50 per cent marks in the aggregate in Bachelor's degree must have the knowledge of French equivalent to that of Graduation level/Advanced Diploma to be eligible to apply for M.A. in French.</p> <p>(iv) M.A. French, students who have bachelor's degree in any subject with C1 level from Alliance Française should be allowed to enroll directly into M.A. French programme.</p>	
Ph.D.	Subject to availability	3-5 Years	See M.Phil./Ph.D. Prospectus-2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

** A candidate shall apply for M.A.in French only if he/she has knowledge of the language.

TITLES OF SYLLABI :- (Detailed course curriculum is available on the department link page at <http://puchd.ac.in/syllabus.php>.)

Certificate Course

PAPER -A	Composition, Translation & Civilization	PAPER -C	Conversation, Oral Comprehension & Reading
PAPER -B	Grammar & Written Comprehension	PAPER -D	Internal Assessment
Diploma Course			
PAPER -A	Composition, Letter, writing & Grammar	PAPER -C	Reading, Conversation & Question- Answers
PAPER -B	Literature, Civilization, Comprehension & Translation	PAPER -D	Internal Assessment
Advanced Diploma Course			
PAPER -A	Grammar, Comprehension & Questions from the prescribed Text book	PAPER -C	Civilization, Precis and Written Expression
PAPER -B	Drama & Short Stories	PAPER -D	Viva -voce and Internal Assessment
M.A. in French			
Semester-I		Semester-II	
FRH 101	History of French Literature (16 th & 17 th centuries)	FRC 201	History of French Literature (18 th , 19 th , 20 th centuries)
FRL 102	Linguistics	FRL 202	Linguistics (Structural linguistics)
FRD 103	French Drama (17 th & 18 th centuries)	FRD 203	French & Francophone Drama (20 th century)
FRT 104	Translation (Theory & Commentary)	FRT 204	Translation (Theory & applied)
Semester-III		Semester-IV	
FRC 301	French civilization (cinema, music, beaux-arts)	FRH 401	French Civilization
FRP 302	French Poetry (17 th & 19 th centuries)	FRP 402	French Poetry (20 th century)
FRN 303	French Novel (18 th & 19 th centuries)	FRD 403	French & francophone Novel (20 th century)
FRM 304	Methodology of teaching French	FRT 404	Methodology of teaching French

THRUST AREAS : French Language & Literature, Francophone Literature, Travel Literature, Translation.

PLACEMENT: There is a Placement Cell with a placement incharge which informs students about jobs available, Vacancies are notified on the Notice Board, through email etc.

ALUMNI RELATIONS: Alumni meets are organized by the department and old students are invited regularly to interact and share their experiences.

DEPARTMENT OF GERMAN

ABOUT THE DEPARTMENT

The Department of German was established in 1960. Starting with the elementary courses in the evening, the Department today offers Certificate, Diploma and Advanced Diploma Courses, and Ph.D. programme in German. The Department of German is one of the biggest German departments among the universities of Punjab, Haryana, Himachal Pradesh, J & K and Uttarakhand. Many students of the Department have received Scholarships for higher studies in Germany in various fields. Through the CIIPP Cell of the Panjab University, the Department of German provides translation and interpretation support. The faculty members participate regularly in national and international seminars, workshops and Conferences to promote German Language, Literature and cultural studies and update their skills to teach the language.

FACULTY

Designation	Name	Field of Research Specialization
Associate Professor	Jeewan Kumar Sharma	Language/ Translation
Assistant Professor	Arijit Dakshi (Chairperson)	Language/ Literature

COURSES OFFERED (ANNUAL SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
Certificate Course	130+7 NRI +3 Foreign National	1 Year	Minimum Hr. Sec./Pre-Uni./+2 or equivalent or 3 years Diploma from Indo-Swiss Trg. Centre.	Based on Merit
Diploma Course	30+3 NRI+2 Foreign National	1 Year	Cert. Course in German/ B.A.-1 with German elective/ equivalent exam recognized by P.U. (A2) Course of Goethe Institute, Max Mueller Bhavan. The students passing minimum level of A-2 examination of Goethe Institute/Max Mueller Bhavan will be admitted to Diploma course in German.	Based on Merit
Advanced Diploma Course	20+2 NRI+2 Foreign National	1 Year	Diploma course in German/ equivalent exam. recognized by P.U. (B2) Course of Goethe Institute, Max Muller Bhavan. The students passing minimum level of B2 exmanations of Goethe Institute/ Max Mueller Bhavan will be admitted to Advanced Diploma Course in German.	Based on Merit
Ph.D	Subject to availability	3-6 Years	See M.Phil/Ph.D Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

A. Certificate Course in German

Summary: Beginner's conversation and self-introduction, basic grammar, reading, simple essay and translation.

B. Diploma Course in German

Summary: Conversation, advanced grammar, reading, essay and translation.

C. Advanced Diploma Course in German

Summary: Specialized discussions, analysis of complex texts, novel, play, essay and advanced translation.

THRUST AREAS: German Language, Literature and Translation.

PLACEMENTS: Department sensitizes the students for placements in educational institutions, private companies/MNCs.

ALUMNI RELATIONS: Annual Day celebrations, guest lectures and placements.

GURU RAVI DASS CHAIR OF SANT SAHITYA STUDIES

ABOUT THE CHAIR

Guru Ravi Dass Chair of Sant Sahitya Studies is set up to study and research on various aspects of the life, work and teachings of the mystic poet, thinker and philosopher of 15th century Bhakti Movement, Guru Ravi Das. Often given the honorific title of 'bhagat' or 'saint', Guru Ravi Das is attributed with a large body of hymns, verses and poems that speak of universal brotherhood, tolerance, socialism, secularism, equality and breaking of caste and gender based hierarchies. Special emphasis is also laid on the study and research of Medieval Indian Sant Sahitya. The Chair encourages subject specific as well as comparative study and research of all Medieval Indian literature

FACULTY

Designation	Name	Field of Research Specialization
Professor	Gurpal Singh (Chairperson)	Medieval Punjabi Literature, Literary Theory & Linguistics

COURSE OFFERED

Course	Seats	Duration	Eligibility	Admission Criteria
Ph.D	Subject to availability	3-6 Years	See M.Phil/Ph.D Prospectus -2019	

DEPARTMENT OF HINDI

ABOUT THE DEPARTMENT

The Department of Hindi was established in 1938. It is one of the oldest Hindi Department in the Country. During early late Sixties, the Legendary Scholar, Acharya Hazari Prasad Dwivedi joined the Department as the Head. Since then, the Department has undoubtedly been major centers of Hindi Studies in the country. The department provided good infrastructure, including computerization and Departmental Library for students and researchers.

The Department has obvious contribution towards research in Hindi Studies through the works of Acharya Hazari Prasad Dwivedi, Dr. Ganpati Chander Gupta, Dr. Ramesh Kuntal Megh, Dr. Indernath Madan, Dr. Dharam Pal Maini, its great teachers. The Department has been publishing a leading National journal of Research namely, 'Parishodh' (ISSN 2347-6648) Well-known Hindi writers such as Mohan Rakesh, Ravinder Kalia, Dr. Ganga Prasad Vimal, Dr. Virendra Mehendiratta, Dr. Paresh, and Dr. Atul Vir Arora have been among its students.

FACULTY

Designation	Name	Field of Research Specialization
Professors	Neerja Sood Bajinath Prasad Satya Pal Sehgal (<i>Re-employed</i>)	Katha Sahitya Bhakti Kavya, Bhasha Vigyan Avem Kavyashastra Aadhunik Hindi Sahitya, Anuvad Adhyayan, History of Modern Hindi Literature
Associate Professor	Ashok Kumar	Bhakti Kavya
Assistant Professor	Gurmeet Singh (Chairperson)	Katha Sahitya, Bhartiya Sahitya, Hindi Journalism

COURSES OFFERED (SEMESTER SYSTEM / ANNUAL SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M. A.	68+7 NRI+3 Foreign National	2 Years	Passed one of the following qualifications from a recognized University / Institute : Bachelor's Degree obtaining 45% marks in Hindi or 50% in the aggregate provided the candidate has passed Hindi as an Elective/ Compulsory Subject, OR B.A. with (Hons) in Hindi or B.Sc. with (Hons. School Course) OR Bachelor's Degree obtaining 45% marks in Sanskrit (Elective) or Shastri examination (New Course) OR Prabhakar examination Securing 45% marks (out of aggregate excluding the additional paper) OR Master's Degree Examination in any subject provided the candidate has studied Hindi Compulsory and Sanskrit at Graduate level.	Based on merit. Preference will be given to those who have studied Hindi (Elective), Hindi (Compulsory) and Sanskrit at Graduation level)

Diploma Course in Translation (English to Hindi)	68+7 NRI+3 Foreign National	1 Year (Annual)	Bachelor's Degree or equivalent Exam from a recognized University.	Based on Aptitude Test Academic : 50% Written Test : 50%*
Ph.D.	Subject to availability	3- 6 Years	See M Phil/Ph.d prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates.

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

M.A.

Semester-I		Semester-II	
Paper-1	HSM (Hindi Sahitya Ka Aadikal or Madyakal)	Paper-1	HSK (Hindi Sahitya Ka Aadhunik kal)
Paper-2	AHK (Aadhunik Hindi Kavya)	Paper-2	AHK (Aadhunik Hindi Kavya)
Paper-3	AGS (Aadhunik Hindi Gadhya Sahitya)	Paper-3	AGS (Aadhunik Hindi Gadhya Sahitya)
Paper-4	BKS (Bhartiya Kavya Shastra Ke Sidhant)	Paper-4	PKS (Pashchatya Kavya Shastra evam Samkaleen Aalochna Sidhant)
Semester-III		Semester-IV	
Paper-1	BHV(Bhasha Vigyan Avem Hindi Bhasha)	Paper-1	BHV(Bhasha Vigyan evam Hindi Bhasha Ka Adhyan)
Paper-2	PMK(Pracheen Avem Madhya Kaleen Kavya)	Paper-2	PMK (Pracheen Avem Madhya Kaleen Kavya)
Paper-3	1. TSA(Tulsidass ke Sahitya Ka Adhyayan) 2. SAK (Surdas Avem Anya Krishan Kavi Bhagat) 3. HUP (Hindi Upnayas) 4. HNK (Hindi Natak) 5. HPS (Hindi Paterkarita ka Sawroop Aur Vikas)	Paper-3	1. TSA (Tulsidass ke Sahitya Ka Adhyayan) 2. SAK (Surdas Avem Anya Krishan Bhagat Kavi) 3. HUP (Hindi Patrakarita) 4. HNK (Hindi Natak) 5. VHP (Vyabharik Hindi Paterkarita)
Paper-4	MLA (Media Lekhan Aur Anuvad)	Paper-4	BAS (Bhartiya Sahitya)

THRUST AREA : Medieval and Modern Hindi Literature, Indian Poetics. Specialization: Philology, Tradition of Hindi Ram Kavya, Hindi Fiction, Modern Hindi Poetry Hindi Journalism.

DEPARTMENT OF PUNJABI

ABOUT THE DEPARTMENT

The Department of Punjabi was established in 1948 with its Campus at Khalsa College, Amritsar. Later on, it was shifted to Panjab University Campus in 1957. Its founder head Dr. Mohan Singh Dewana was eminent scholar of Persian, Sanskrit, Punjabi and oriental languages. The pioneer work of compilation of historiography and history of Punjabi literature was initiated by him and completed by the faculty of the Department of Punjabi into three volumes, Professor Surinder Singh Kohli, Prof. Harnam Singh Shaan, Prof. Vishwa Nath Tiwari, Prof. Attar Singh, Dr. Balbir Singh Sandhu and Prof. Kesar Singh Kesar, etc. the scholars of repute in Punjabi Literary world, have enriched the intellectual strength of department with their expertise. This Department is a premier institution in the Northern-India. At present, all faculty members are well-known in their areas of specialization and research.

In the past, many National and International level seminars and, two World Punjabi Conferences were organized. Extension Lectures of eminent scholars in their research areas have been invited from time to time. At present, Prof. Sukhdev Singh, Prof. Yograj and Dr. Sarabjit Singh have their expertise in the study of Modern Punjabi Literature, especially the poetry. Prof. Nahar Singh (re-employes), Dr. Pawan Kumar and Mr. Ashwani Kumar (Guest Faculty) have significantly contributed in the areas of Culture, Folklore, Fiction and linguistics, respectively. Prof. S.K. Dweshwar is working as Emeritus Fellow (UGC).

The bi-annual Research Journal 'Parkh' published by Department of Punjabi is the first research journal of Punjabi. This

journal recently and the journal is available online now at <http://parkh.puchd.ac.in/>. The ISSN number of this research journal is 2320-9690.

FACULTY

Designation	Name	Field of Research Specialization
Professors	Yograj Angrish (Chairperson)	Modern Punjabi Poetry and Literary Criticism
	Sukhdev Singh	Modern & Medieval Punjabi Poetry and Literary Criticism
	Sarabjit Singh	Modern Punjabi Poetry
Assistant Professors (Guest Faculty)	Pawan Kumar Ashwani Kumar	

COURSES OFFERED

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	68+7 NRI+3 Foreign National	2 Years	Passed one of the following examinations from a recognized University/Institute: Bachelor's Degree obtaining at least 45% marks in the subject of Post-Graduate course or 50% marks in aggregate B.A./B.Sc (Hons), OR Master's degree examination in any other subject provided the candidate has studied Punjabi compulsory at graduate level. Weightage : 1. The 15% weightage will be given to the student those who studied Punjabi as a elective subject at graduate level. 2. The 15% weightage will be given to the student who studied B.A. (Hons.) in Punjabi at under graduate level. 3. The 15% weightage will be given those who passed B.A. (Hons.) School in Punjabi at under-graduate level. 4. Those who passed elective Punjabi and Hons. (both) will be given 20% 5. Any exemption will be given to SC/ST candidate as per UGC norms.	Based on Merit
Cert. Course in Functional Punjabi	31+4 NRI+2 Foreign National	1 Year	+2/B.A./Old F.A./equivalent without Punjabi	Based on Merit
Diploma in Translation (Eng. to Punjabi)	11+1 NRI+1 Foreign National	15 months	B.A. or equivalent exam.	Based on Merit
M. Phil (SGGS)	15	15 months	M.A. in any discipline with 55% marks	Based on Departmental Test Academic: 60%** Test: 35%* Interview: 5%
M.Phil (Punjabi)	20	1 Year	See M.Phil/Ph.D Prospectus 2019	
Ph.D	Subject to availability	3-5 years	See M.Phil/Ph.D Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

**Intermediate: 10%, B.A.: 20%, M.A.:30%)

TITLES OF SYLLABI: (Detailed Syllabi already exists on the P.U. Website)

M.A.

Semester-I		Semester-II	
Paper-I	Madhkali Pbi. Sahit da Itihas	Paper-V	Adhunik Pbi. Sahit da Itihas
Paper-II	Sahit Sidhant, Sanatani Kaav Shastar ate Pbi Alochna	Paper-VI	Adhunik paschami Kav Shastar ate Viharak Alochna
Paper-III Opt (i)	Madhkali Pbi. Kaav -I	Paper-VII Opt (i)	Madhkali Pbi. Kaav -II
Opt (ii)	Gurmat ate Sufi Kaav	Opt (ii)	Sufi, Kissa ate Bir Kaav
Paper-IV Opt (i)	Punjabi Novel da Adhiyan	Paper-VIII Opt (i)	Punjabi Novel da Adhiyan
Opt (ii)	Punjabi Kahani da Adhiyan	Opt (ii)	Punjabi ate Parvasi Punjabi Kahani da Adhian
Hons.Paper-XVII	Guru Nanak Bani - Deeragh Adhiyan	Hons.Paper-XIX	Varis Shah - Deeragh Adhiyan
Hons.Paper-XVIII	Pra-alochna Ate Punjabi Alochna da Adhyan	Hons.Paper-XX	Uttar Marxvadi Punjabi Alochna da Adhiyan
Semester-III		Semester-IV	
Paper-IX	Bhasha Vigyan ate Punjabi Bhasha	Paper-XIII	Bhasha Vigyan, Punjabi Bhasha ate Gurmukhi Lipi
Paper-X	Sabiachar, Lokdhara ate Punjabi Sabiachar	Paper-XIV	Punjabi Lokdhara ate Lok Sahit
Paper-XI		Paper-XV	
Opt (i)	Adhunik Punjabi Kavita-I	Opt (i)	Adhunik Punjabi Kavita-II
Opt (ii)	Adhunik Punjabi Birtantank Kavita-I	Opt (ii)	Adhunik Birtantank Punjabi Kavita-II
Paper-XII		Paper-XVI	
Opt (i)	Punjabi Natak ate Rangmanch da Adhiyan – I	Opt (i)	Punjabi Natak ate Rangmanch da Adhiyan – II
Opt (ii)	Vishav Da Anuvadit Natak	Opt (ii)	Punjabi Vich Anuvadit Vishav da Natak
Hons.Paper-XXI	Shah Husain - Deeragh Adhiyan	Opt (iii)	Punjabi Vartak da Adhiyan
Hons.Paper-XXII	Pakistani Punjabi Sahit	Hons.Paper-XXIII	Bhai Vir Singh – Deeragh Adhiyan
		Hons.Paper-XXIV	Parvasi Punjabi Sahit
M.Phil. (Punjabi)		M.Phil. (Guru Granth Sahib Studies)	
Course I:	Research Methodology and Critical Approaches To Literature	First Semester	
Course II:	Punjabi Poetry	Course I:	Research Methodology and Analytical Models
Course III:	Poetics of Punjabi Fiction, Drama & Prose	Course II:	Linguistic, Literary and Cultural Perspectives of Guru Granth Sahib
		Course III:	Philosophical and Conceptual Study of Guru Granth Sahib
Diploma in Translation (English to Punjabi)			
Paper-I	Principals and Problems of Translation	Paper-III	Practical Translation and Related Problems
Paper-II	Problems of Vocabulary and Technical Terminology		

THRUST AREAS: The Department concentrate own a wide range of subjects, which includes: Pakistani Punjabi literature, Sufi Literature, Gurmat Literature, Kiss Sahit (Poetry) Modern Punjabi Literature, World Literature Contemporary Punjab Literature, Fiction, Drama, Poetry and Prose). The Department also Concentrates Critical Theories (Marxism, Men Marxism, Past Colonial Theories, Post Modernism, Psycho analysis, Feminism, Discourse and cultural studies.

PLACEMENT: Every year, some of our students opt for teaching jobs in colleges, Universities. Some students who possess B.Ed/M.Ed professional qualification opt school teaching. Some Students got selected in Police jobs. Some of our student opts for Punjabi journalism.

ALUMNI RELATIONS: An attempt is being made to invite our prominent students (officers, writers, professors) to interact with students and faculty. Some of the Aluminous organizes cultural and Academic sessions.

BHAIR VIR SINGH CHAIR IN MODERN LITERATURE

ABOUT THE CHAIR

The Chair enrolls students for Ph.D. who wish to undertake research on Comparative Literature. The Chair organises, 'Meet Your Writers' series in order to provide opportunities to the students to understand the process of creativity. Writers of repute, from different Languages, are invited under this series. The Chair Organises Conferences, Symposia and Workshops for the teachers and the students of the University Departments and its affiliated colleges in order to promote the talent of writing among them. A poet's Workshop is organised every year to understand the creative process. Poets from different languages are invited to recite their poems.

FACULTY

Professor : Uma Sethi

Course : Ph.D.

The Chair enrolls students for Ph.D. who wish to undertake research on Modern Punjabi Literature & Comparative Literature.

Lectures :

The Chair organizes the following lectures :

- (i) Justice Teja Singh Memorial Lecture on Punjabi Culture and Punjabi Literature.
- (ii) Swami Ram Tirath Memorial Lecture on Spiritualism.

SHEIKH BABA FARID CHAIR OF MEDIEVAL INDIAN LITERATURE

ABOUT THE CHAIR

The Chair was established in 1976. The Chair is devoted primarily to the study of Medieval Punjabi Literature with emphasis on comparative studies with Medieval North Indian Literature especially Urdu and Hindi. Guidance to research studies in Medieval Punjabi Literature and its cognate subject leading to Ph.D. Degree is also available. The Chair organises seminars and symposia on comparative religions and comparative Bhakti Literature. The Chair brings out a Bi-annual journal of Medieval Indian Literature.

FACULTY

Professor : Sukhdev Singh

Course	Seats	Duration	Eligibility
Ph.D	Subject to availability	3-6 Years	See M.Phil/Ph.D Prospectus 2019

The Chair is devoted primarily to the study of Medieval Indian Literature with emphasis on comparative studies in Medieval North Indian Literatures especially Urdu and Hindi.

Shiv Kumar Batalvi Chair Professorship

Professor : Yog Raj Anrishi

This Chair is established on the name of famous Punjabi poet Shiv Kumar Batalvi in 2018. The thrust area of the Chair is Modern and Contemporary Punjabi Poetry.

PUNJABI LEXICOGRAPHY

ABOUT THE DEPARTMENT

The Department was established in 1972. The Department has undertaken three projects.

1. English-Punjabi Dictionary
2. Punjabi-English Dictionary
3. Punjabi-Punjabi Dictionary

FACULTY

Professor : Uma Sethi

Assistant Professor : Akwinder Kaur Tanvi

TWO NEW PROJECTS

1. Punjabi Natak Alochna Shabadavali Kosh (*Published by the Publication Bureau, Panjab University, Chandigarh*)
2. Kav Alochna Shabadavali Kosh

THRUST AREAS

1. English-Punjabi Dictionary is being completed up to Letter 'T'.
2. Punjabi-English Dictionary is to be revised.
3. The compilation of first six letters of Punjabi-Punjabi Dictionary.

DEPARTMENT OF RUSSIAN**ABOUT THE DEPARTMENT**

The Department was established in 1959. Russian Language is taught at Certificate, Diploma, Advanced Diploma, M.A. and Ph.D. level. The department is equipped with 11 seater language laboratory which imparts instructions in phonetics of Russian and Slovak languages. It has also appropriate Audio-visual equipments to acquaint the students with the life and culture of the people of Russia and Slovakia through slides and film shows in the department. The department of Russian also arranges cultural evening programmes with distinguished literary personalities from Russia, CIS countries and Slovakia to widen the cultural and literary horizon of its students.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Pankaj Malviya	Russian Language, Literature & Translation

COURSES OFFERED (ANNUAL SYSTEM)

Course	Seats	Duration	Eligibility *	Admission Criteria
Certificate Course	114+11 NRI +6 Foreign National	1 Year	Minimum 10+2 examination of the Board of School Education, Punjab /Haryana or Central Board of Secondary Education, Delhi, OR An Examination of another University/Board/Body recognized by the Syndicate as equivalent.	Based on Merit
Diploma Course	29+3 NRI+1 Foreign National	1 Year	Cert. course in Russian or equivalent from a recognized University/Institute	Based on Merit
Advanced Diploma Course	17+2 NRI+1 Foreign National	1 Year	Diploma Course in Russian or equivalent from a recognized University/Institute	Based on Merit
M.A.(Russian) Private	Private	2 Years	Adv. Dip in Russian & Graduation in any discipline from a recognized University/Institute	
Ph.D.	Subject to availability	3-6 Years	See M.Phil/Ph.D Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates.

TITLES OF SYLLABI (Detailed course curriculum is available at www.puchd.ac.in/syllabus.php)

Certificate		Diploma		Adv. Diploma	
Paper-1	Translation	Paper-1	Translation	Paper-1	Translation
Paper-2	Grammar, Composition & Comprehension	Paper-2	Grammar, Composition & Comprehension	Paper-2	19 th & 20 th Century Russian Literature & Grammar
Paper-3	Oral/Practical	Paper-3	Oral/Practical	Paper-3	Oral/Practical

M.A. Russian

Semester-I		Semester-II	
Paper-1	19 th century Russian Literature	Paper-1	19 th century Russian Literature
Paper-2	Translation	Paper-2	Translation
Paper-3	Modern Russian Language(Morphology)	Paper-3	Modern Russian Language (Morphology)
Paper-4	Modern Russian Language (Phonetics, Lexicology & Phraseology)	Paper-4	Modern Russian Language (Phonetics, Lexicology & Phraseology)

Semester III		Semester-IV	
Paper-1	Culture & Civilization of Russia	Paper-1	Culture & Civilization of Russia
Paper-2	Modern Russian Language (Syntax)	Paper-2	Modern Russian Language (Syntax)
Paper-3	20 th Century Russian Literature	Paper-3	20 th Century Russian Literature
Paper-4	Methodology of teaching of Russian Language.	Paper-4	Methodology of teaching of Russian Language.

THRUST AREAS: Translation Technique, Comparative Study of Russian and Indian Languages and Literatures.

PLACEMENTS: Placement possibility in Defence, Power, Petroleum, Trade, Hospitable sectors and ministries of Internal and External affairs, Govt. of India.

ALUMNI RELATIONS: Most of the pass outs from the department are working as Translators/Interpreters/Non commissioned / Commissioned officers in Indian Army, Air-Force & Navy, Tourist guides, Executives in export – import houses.

DEPARTMENT OF SANSKRIT

ABOUT THE DEPARTMENT

The Department was established in 1956. There are two courses in the department i.e. M.Phil, Post-graduate Courses in Sanskrit. Besides this, the faculty of department is also supervising the research work of the students enrolled for Ph.D. in the field of Literature, Philosophy, Grammar, Veda & Dharma Shastra. The Department organizes special lectures and workshops on important aspect (Indian Philosophy, Classic Literature and Vedic Literature and Dharmashastras of Sanskrit learning).

FACULTY

Designation	Name	Field of Research Specialization
Professors	Shankarji Jha V.K. Alankar (Chairperson)	Darshan, Literature and Grammer Ved, Grammar, Darshan and Literature

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A	68 + 7 NRI+3 Foreign National	2 Years	Passed one of the following qualifications from recognized University/Institute:- Bachelor's Degree obtaining 45% marks in Sanskrit Subject or 50% in aggregate and B.A. with (Hons.) in Sanskrit. OR Passed 'Shastri' Examination either under 3-year (10+2+3) Degree Course (New Scheme) or under the Old Scheme (10+1+3) Degree Course. OR Master's Degree examination in any other subject provided the candidate has studied Sanskrit at graduation level.	Based on Merit
Diploma Course in Vedic Astrology		2 Years	10+2, Jyotish Bhaskar	
Higher Diploma in Vedic Astrology		1 Year	Jyotish Ratan	
Research Programme in Vedic Astrology		1 Year	Jyotish Ratan	
Specialized Diploma in Medical Astrology		1 Year	10+2 and pursuing MBBS/BAMS/DHMS or any diploma in paramedical Sciences	
M.Phil.	20	1 Year	See M.Phil./Ph.D. Prospectus 2019	
Ph.D.	Subject to availability	3-6 Years	See M.Phil./Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates.

TITLES OF SYLLABI (Detailed syllabi available at www.puchd.ac.in & <http://:skt@pu.ac.in>)

M.A.

Semester-I		Semester-II	
Paper-1	वैदिक साहित्य	Paper-5	वैदिक साहित्य
Paper-2	संस्कृत नाटक व काव्यशास्त्र	Paper-6	काव्य एवं काव्यशास्त्र
Paper-3	व्याकरण एवं भाषा विज्ञान	Paper-7	व्याकरण और भाषाविज्ञान
Paper-4	दर्शन	Paper-8	दर्शन

Semester-III		Semester-IV	
Paper-9	इतिहास तथा अर्थशास्त्र	Paper-13	इतिहास तथा स्मृति
(वर्ग - i : वेद)			
Paper-X, XI & XII to be opted from one of the following groups. The Group opted in 3rd semester can not be changed in 4th semester.			
Paper-10	उपनिषद् तथा भाष्यभूमिका	Paper-14	उपनिषद् तथा भूमिका
Paper-11	वैदिकसंहिता	Paper-15	वैदिकसंहिता
Paper-12	ब्राह्मण, श्रौत एवं गृह्य सूत्र	Paper-16	वैदाङ्ग
(वर्ग - ii : साहित्य)			
Paper-10	काव्यशास्त्र	Paper-14	काव्यशास्त्र
Paper-11	संस्कृत गद्य	Paper-15	संस्कृत महाकाव्य
Paper-12	रूपकसाहित्य	Paper-16	संस्कृत गीतिकाव्य
(वर्ग - iii : संस्कृत व्याकरण)			
Paper-10	व्याकरणप्रक्रिया	Paper-14	समास व तद्धित
Paper-11	सुबन्तप्रकरण	Paper-15	व्याकरणप्रक्रिया
Paper-12	संस्कृत व्याकरण दर्शन	Paper-16	वाक्यपदीय दर्शन
(वर्ग - iv : भारतीय दर्शन)			
Paper-10	सांख्य तथा प्रत्यभिज्ञा दर्शन	Paper-14	भारतीय एवं पाश्चात्य दर्शन
Paper-11	वेदान्त दर्शन	Paper-15	योगदर्शन एवं पाश्चात्य दर्शन
Paper-12	मीमांसा दर्शन	Paper-16	न्याय-वैशेषिक

THRUST AREAS: Study of Sanskrit Literature, Philosophy, Grammar, Veda in the light of Advanced Modern Technology and its comparison.

PLACEMENTS: We are sensitizing students for quality programme.

ALUMNI RELATIONS: An attempt is being made to invite prominent students of our Department to interact with students and faculty.

DEPARTMENT OF URDU/PERSIAN

ABOUT THE DEPARTMENT

The department has Urdu and Persian teaching along with Ph.D. research center in both the subjects. The Department of Urdu was established in the year 1978 and later on the Persian studies were also started in the year 1985, with the founder members. Dr. Haroon Ayub in Urdu and Dr. Madhukar Arya in Persian, respectively. The Urdu and Persian studies had been the major subjects of teaching in the Oriental College of Lahore in Pakistan, which was later on established in the name of Panjab University at Lahore in the year 1882, and the eminent Persian & Urdu poet Allama Iqbal Lahori had been the Head of Department of the department at that time. The study of said courses were resumed by this University after the partition of India in year 1947 and at the first stage, the University introduced the certificate course in Urdu and Persian and later on the Diploma and Advance Diploma Courses were also started respectively. In the Year 1991, the Department became the Post Graduate Department where the regular teaching of M.A. in Urdu started, under annual and later on under semester system. M.A. in the subject of Persian is remain Private. The Department has the Ph.D/ Research work in the both subjects i.e. Persian and Urdu and have awarded about 28 Ph.D. Degrees till today in the both subjects. The Department has two separate Literary and Cultural Societies in the name of Bazm-e-Adab Farsi and also Bazm-e-Adab Urdu which organizes the literary and cultural programs with the students of the Department of Urdu & Persian. The Department has its own Departmental Library with a good number of reference and text books in the subjects of Urdu and Persian. The Department also receives journals and magazines regularly from Urdu Academy Delhi Ghalib Institute, Delhi, Academies of Iranian Academic Institutions and Iran cultural House, New Delhi & Iran Too.

FACULTY

Designation	Name	Field of Research Specialization
Associate Professor (Re-employed)	D.U.I. (Acting Chairperson) Madhukar Arya	Classical & Modern Literature & Specialization in Sufism
Assistant Professor Contractual Basis	Ali Abbas Zarreen Fatima	Safarname, Criticism Classical & Modern Urdu Literature Khaka Nigari, Classical & Modern Urdu Literature

COURSES OFFERED (SEMESTER SYSTEM/ANNUAL SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.(Urdu)	34+3 NRI +2 Foreign National	2 Years (Semester System)	B.A. or equivalent with 45% in Urdu elective or 50 % aggregate.	Based on Merit
Certificate Course	85+9 NRI +4 Foreign National	1Year	Minimum+2 examination of the Board of School Education, Punjab/Haryana/ UP or Central Board of Secondary Education, Delhi OR any examination of another University/ Board/Body recognized by the Syndicate as equivalent/Pre- University.	Based on Merit
Diploma Course Urdu	29+3 NRI +1 Foreign National	1Year	P.U. Cert. Course in Urdu, urdu in Matric or Adib Exam From P.U./ Equivalent Exam. in Urdu	Based on Merit
Advance Diploma Course in Urdu	17+ 2 NRI +1 Foreign National	1 Year	P.U. Dip. Course in Urdu, Intermediate or B.A. I with Urdu Elective/Equivalent exam.	Based on Merit
Certificate Course In Persian	29+ 3 NRI +1 Foreign National	1Year	Minimum+2 examination of the Board of School Education, Punjab/Haryana UP or Central Board of Secondary Education, Delhi OR any examination of another University/ Board/Body recognized by the Syndicate as equivalent/Pre- University	Based on Merit
Diploma Course in Persian	17+2 NRI +1 Foreign National	1Year	Cert. Course in Persian from P.U. or Persian Matric Level/Equivalent exam.	Based on Merit
Advance Diploma Course in Persian	11+1 NRI +1 Foreign National	1Year	P.U. Dip. Course in Persian, Intermediate or B.A. I with Persian/Additional	Based on Merit
Ph.D	Subject to availability	3 to 6 years	See M.Phil/Ph.D Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates.

TITLE OF SYLLABI: (Detailed course curriculum is available at <http://puchd.ac.in/syllabus.php>)

M.A. (URDU)

Semester-I		Semester-II	
Paper-1	History of Urdu Language and Literature	Paper-1	Modern Poetry
Paper-2	Elements of Urdu Structure	Paper-2	Modern Prose (Urdu Drama and Theatre)
Paper-3	Early Poetry (Nazm and Ghazal)	Paper-3	Non –Fiction (Essay and Translation)
Paper-4	Early Prose (fiction, Novel, Afsana and drama)	Paper-4	Print Media and Mass Media (radio and T.V.)
Semester-III		Semester-IV	
Paper-1	Classical Poetry (Qasida, Mersia, Masnavi)	Paper-1	Comparative Study of Urdu and Punjabi Literature
Paper-2	Classical Prose	Paper-2	Lisaniyat
Paper-3	Principal of Literary Criticism	Paper-3	Essay
Paper-4	Comparative Study of Indian Literature/ Tahqiqi Maqala (Dissertation)	Paper-4	Print Media and Mass Media

M.A. (PERSIAN)

Semester-I		Semester-II	
Paper-1	History of Persian Language & Literature	Paper-1	History of Persian Language & Literature
Paper-2	Elements of Persian	Paper-2	Elements of Persian
Paper-3	Structure Modern Prose	Paper-3	Structure Modern Prose
Paper-4	Modern Poetry	Paper-4	Modern Poetry
Semester-III		Semester-IV	
Paper-1	Classical Prose	Paper-1	Classical Prose
Paper-2	Classical Poetry	Paper-2	Classical Poetry
Paper-3	Literary Criticism	Paper-3	Literary Criticism
Paper-4	Modern Poetry	Paper-4	Literary History of Indo Persian Literature of Tahqiqi Maqala (disseraation) in lieu of paper IIIrd and IVth
Certificate Course in Urdu		Diploma Course in Urdu	
Paper-1	Prose & Poetry	Paper-1	Prose & Poetry
Paper-2	Grammer & Composition	Paper-2	Translation & Literary History
Certificate Course in Persian		Diploma Course in Persian	
Paper-1	Prose & Poetry	Paper-1	Prose & Poetry
Paper-2	Grammer & Composition	Paper-2	Translation & Literary History
Advance Diploma Course In Urdu		Advance Diploma Course In Persian	
Paper-1	Poetry	Paper-1	Classical Modern Prose
Paper-2	Basic Knowledge of History of Urdu	Paper-2	Classical Modern Poetry
Paper-3	Prose & Novel Composition	Paper-3	Literary History of Persian of Indo Persian Literature
Paper-4	Journalism	Paper-4	Political Economical & Social History of Iran

THRUST AREAS: The Department is engaged in Research Program in almost all major disciplines of Urdu & Persian languages and literature, and the thrust area is comparative study of Persian with Punjabi, Urdu, Sanskrit, Pali and other Modern Indian Languages and also in the subject of Medieval Indian History, Ancient Indian History, Fine Arts, Law, Political & Social Sciences with comparative studies and Mysticism and Mystical Literature, written during the Ancient & Medieval Period based on Classical Literature and also written during the Modern Period in all the Modern Indian Languages. The Candidates from Iran, Afghanistan and other Arab countries for Ph.D. in the Department.

PLACEMENT CELL: The department also has a placement center which run by department, as per the notifications and instructions of the Central Placement Cell of Panjab University, Chandigarh.

ALUMNI RELATIONS: The departments also have Alumni Relations Centre for both the languages i.e. Urdu & Persian and work as per the instructions and notifications as notified by the Dean Alumni Relations Panjab University, Chandigarh.

VISHVESHVARANAND VISHVA BANDHU INSTITUTE OF SANSKRIT AND INDOLOGICAL STUDIES (VVBIS & IS), HOSHIARPUR

ABOUT THE INSTITUTE

The Institute was taken over by the University in 1965. The Panjab University maintains a Centre of Advanced Studies and Research in Sanskrit and Indology as a regular Institute of the University under the name "VISHVESHVARANAND VISHVA BANDHU INSTITUTE OF SANSKRIT AND INDOLOGICAL STUDIES" (VVBIS & IS) at HOSHIARPUR and is about three kilometres (on the Una Road) away from the main centre of the city. The Institute publishes a half yearly Research Journal entitled "Vishveshvaranand Indological Journal". Volume L-LI of has been printed & Volume LII-LIII of 2014-2015 is under process. Besides the Institute has published about 55 Research books.

FACULTY

Designation	Name	Field of Research Specialization
Professors(Re-employed)	Raghibir Singh Prem Lal Sharma Parbhat Singh Krishna Saini	Grammar Indian Philosophy, Jyotish Classical Literature & Literary criticism Veda
Professor	Narsingha Charan Panda (On Leave)	Indian Philosophy, Buddhism, Veda
Assistant Professors	Aditya Angiras (Chairperson) Ritu Bala S.K Sarangi	Hindi Novels Sanskrit Poetics Indian Philosophy, Kashmir Shaivism

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
Shastri	40+4 NRI +2 Foreign National	3 Years	Prak Shastri-II/10+2 (with Sanskrit) or Visharad Course in Sanskrit) (with Matric) from P.U./equivalent examinations.	Based on Merit
Prak Shastri	40+4 NRI +2 Foreign National	2 Years	Matric/Hr. Sec. I/or equivalent examinations.	Based on Merit
M.A.	60+6 NRI +3 Foreign National	2 Years	Passed one of the following examinations from a recognized University/Institute: Bachelor's Degree obtaining at 45% marks in Sanskrit and 50% in aggregate provided the candidate has passed Sanskrit as an elective or literature subject. OR B.A. with (Hons) in Sanskrit or B.Sc.(Hons.) course. OR Master's Degree examination in any other subject provided the candidate has studied Sanskrit at graduation level. OR Passed 'Shastri Examination either under 3-year (10+2+3) Degree Course (New Scheme) or under the Old Scheme (10+1+3) Degree Course.	Based on Merit
M.Phil.	20	1 Year	See M.Phil./Ph.D. Prospectus 2019	
Ph.D.	20	3-6 Years	See M.Phil./Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF SYLLABI: (Detailed syllabus available at <http://puchd.ac.in/syllabus.php?qstrfacid=6>)

PRAK SHASTRI

Semester-I		Semester-II	
पत्र i)	व्याकरण	पत्र i)	व्याकरण
पत्र ii)	साहित्य	पत्र ii)	साहित्य
पत्र iii)	दर्शन एवं अनुवाद	पत्र iii)	दर्शन एवं अनुवाद
पत्र iv)	हिन्दी	पत्र iv)	हिन्दी
पत्र iv)	सामान्य अंग्रेजी या सामान्य पंजाबी या पंजाब का इतिहास एवं संस्कृति	पत्र iv)	सामान्य अंग्रेजी या सामान्य पंजाबी या पंजाब का इतिहास एवं संस्कृति
Semester-III		Semester-IV	
पत्र i)	व्याकरण	पत्र i)	व्याकरण
पत्र ii)	साहित्य	पत्र ii)	साहित्य
पत्र iii)	दर्शन एवं अनुवाद	पत्र iii)	दर्शन एवं अनुवाद
पत्र iv)	हिन्दी	पत्र iv)	हिन्दी
पत्र v)	सामान्य अंग्रेजी या सामान्य पंजाबी या पंजाब का इतिहास एवं संस्कृति	पत्र iv)	सामान्य अंग्रेजी या सामान्य पंजाबी या पंजाब का इतिहास एवं संस्कृति

SHASTRI

Semester-I		Semester-II	
i)	व्याकरण	i)	व्याकरण
ii)	साहित्य	ii)	साहित्य
iii)	दर्शन एवं अनुवाद	iii)	दर्शन एवं अनुवाद
iv)	वेद एवम् वेदांग	iv)	वेद एवम् वेदांग
Option - I -	नीति शास्त्र, धर्मशास्त्र और आयुर्वेद	Option - I -	नीति शास्त्र, धर्मशास्त्र और आयुर्वेद
v)	नीतिशास्त्र	v)	नीतिशास्त्र
vi)	आयुर्वेद	vi)	आयुर्वेद
Option - II -	ज्योतिष और वास्तुशास्त्र	Option - II -	ज्योतिष और वास्तुशास्त्र
v)	व्यावहारिक ज्योतिष	v)	व्यावहारिक ज्योतिष
vi)	मुहूर्तशास्त्र	vi)	मुहूर्तशास्त्र
vii-viii)	अंग्रेजी, पंजाबी, इतिहास तथा हिन्दी में से कोई दो पत्र	vii-viii)	अंग्रेजी, पंजाबी, इतिहास तथा हिन्दी में से कोई दो पत्र
Semester-III		Semester-IV	
i)	व्याकरण	i)	व्याकरण
ii)	साहित्य	ii)	साहित्य
iii)	दर्शन एवं अनुवाद	iii)	दर्शन एवं अनुवाद
iv)	वेद एवम् वेदांग	iv)	वेद एवम् वेदांग
Option - I -	नीति शास्त्र, धर्मशास्त्र और आयुर्वेद	Option - I -	नीति शास्त्र, धर्मशास्त्र और आयुर्वेद
v)	धर्मशास्त्र	v)	धर्मशास्त्र
vi)	आयुर्वेद	vi)	आयुर्वेद
Option - II -	ज्योतिष और वास्तुशास्त्र	Option - II -	ज्योतिष और वास्तुशास्त्र
v)	व्यावहारिक ज्योतिष	v)	व्यावहारिक ज्योतिष
vi)	मुहूर्तशास्त्र	vi)	मुहूर्तशास्त्र
vii-viii)	अंग्रेजी, पंजाबी, इतिहास तथा हिन्दी में से कोई दो पत्र	vii-viii)	अंग्रेजी, पंजाबी, इतिहास तथा हिन्दी में से कोई दो पत्र
Semester-V		Semester-VI	
i)	व्याकरण	i)	व्याकरण
ii)	साहित्य	ii)	साहित्य
iii)	दर्शन एवं अनुवाद	iii)	दर्शन एवं अनुवाद
iv)	वेद एवम् वेदांग	iv)	वेद एवम् वेदांग
Option - I -	नीति शास्त्र, धर्मशास्त्र और आयुर्वेद	Option - I -	नीति शास्त्र, धर्मशास्त्र और आयुर्वेद
v)	धर्मशास्त्र	v)	धर्मशास्त्र
vi)	आयुर्वेद	vi)	आयुर्वेद
Option - II -	ज्योतिष और वास्तुशास्त्र	Option - II -	ज्योतिष और वास्तुशास्त्र
v)	जातक शास्त्र	v)	जातक शास्त्र
vi)	होराशास्त्रम्	vi)	होराशास्त्रम्
vii-viii)	अंग्रेजी, पंजाबी, इतिहास तथा हिन्दी में से कोई दो पत्र	vii-viii)	अंग्रेजी, पंजाबी, इतिहास तथा हिन्दी में से कोई दो पत्र
Semester-I		Semester-II	
i)	वैदिक साहित्य	v)	वैदिक साहित्य
ii)	संस्कृत नाटक व काव्यशास्त्र	vi)	संस्कृत नाटक व काव्यशास्त्र
iii)	व्याकरण तथा भाषा विज्ञान	vii)	व्याकरण तथा भाषा विज्ञान
iv)	दर्शन	viii)	दर्शन

Semester-III		Semester-IV	
ix)	वैदिक साहित्य का इतिहास तथा अर्थशास्त्र	xiii)	लौकिक संस्कृत साहित्य का इतिहास तथा स्मृति
x)	संस्कृत गद्य तथा निबन्ध	xiv)	गद्य तथा अनुवाद
Option - I -	वेद	Option - I -	वेद
xi)	वैदिक संहिता	xv)	वैदिक संहिता
xii)	ब्राह्मण, श्रौत एवं गृह्यसूत्र	xvi)	वेदांग
Option - II -	साहित्य	Option - II -	साहित्य
xi)	काव्य शास्त्र	xv)	काव्य शास्त्र
xii)	गद्य और नाटक	xvi)	संस्कृत काव्य
Option - III -	संस्कृत व्याकरण	Option - III -	संस्कृत व्याकरण
xi)	व्याकरण प्रक्रिया	xv)	व्याकरण प्रक्रिया
xii)	संस्कृत व्याकरण दर्शन	xvi)	वाक्यपदीय दर्शन
Option - IV -	भारतीय दर्शन	Option - IV -	भारतीय दर्शन
xi)	सांख्य दर्शन	xv)	योग दर्शन
xii)	वेदान्त तथा मीमांसा	xvi)	न्याय वैशेषिक

VISHVESHVARANAND LIBRARY : The Library possesses about 80826 books and journals and about 2200 ancient manuscripts. It received 70 journals and periodicals during the year and recognized by UNESCO.

THRUST AREA : Development of Sanskrit and Indological Studies.

VII. FACULTY OF LAW

DEPARTMENT OF LAWS

ABOUT THE DEPARTMENT

The Department of Laws, originally established at Lahore in 1889, was re-established at Shimla in 1948, shifted to Jalandhar in 1950 and finally re-located at the University Campus at Chandigarh in 1959. Its Alumni include Judges of the Supreme Court and High Courts, Union Cabinet Ministers, State Chief Ministers, Cabinet Ministers, Ambassadors, Senior Bureaucrats, Police Officers and other legal luminaries. The Department provides practical training to LL.B. students. One full paper of 6th Semester includes compulsory participation in two Moots, attachment with advocates in District Courts for 7 to 10 days. Every year the students of the department are sent to the Supreme Court of India as a part of the practical training programme. It has established a Legal Aid Clinic-cum-Arbitration Centre as well as a Placement Cell. The Department has provision for special lectures in memory of Justice Mehr Chand Mahajan and S. Ajit Singh Sarhadi. These lectures have been delivered over the years by eminent persons such as Justice V.K. Krishna Iyer, Justice V.S. Deshpande, Professor UpendraBakshi, Dr. L.M. Singhvi, Professor Mool Chand Sharma, Justice J.S. Verma, Mr. Soli J. Sorabjee, Prof. M.R. MadhavaMenon and Prof. B.S. Chimni. It has a good library with more than 51,000 books and 52 regularly subscribed Indian and foreign journals. The Department has also the distinction of having Depository Library for United Nations Documents which is the only library with more than 8000 documents North of India. The Department regularly publishes a Law Journal (Panjab University Law Review). The Department has its Moot and Debate Society, which give students an opportunity to explore their talent.

Dress Code: Black pant and coat, white shirt along with tie/scarf (prescribed) on all formal occasions/functions i.e. moot courts, court visits, presentations, special lectures etc. The girl students have option to wear this dress or white salwar kameez with white dupatta and black coat.

FACULTY

Designation	Name	Field of research specialization
Professor emeritus	Veer Singh	Labour Laws, Jurisprudence
	V.K. Bansal	Constitutional Law
	Virender Kumar	Constitutional Law, Family Law, Private International Law, Election Law
Professors	Meenu Paul (Chairperson)	Labour Laws, Intellectual Property Law
	Ranbir Kaur Bhangu	Labour Laws, Service Law
	Vijay Nagpal	Jurisprudence, Criminal Law, Law Related to Physically and Mentally Challenged Persons
	Shalini Marwaha	Jurisprudence, Constitutional Law, Human Rights & Law, Administrative Law, Environmental Law, Law Related To Women & Children, Law And Social Transformation, Media Law, Health Laws
	Devinder Singh	Human Rights, Constitutional Law, Administrative Law, Jurisprudence
	Paramjit Kaur	Laws of Evidence, Environmental Laws and Military Law
	Geeta Joshi	Criminal Law (Substantive)
	Vandana A. Kumar	Constitutional Law, Commercial Law, Laws Related To Children And Women, Human Rights, Torts, Special Contract
Associate Professors	Supinder Kaur	Family Law and Criminal Law
	Jyoti Rattan	Income Tax, International Law, Human Rights
Assistant Professors	Babita Devi Pathania	Human Rights, Protection of Women, Domestic Violence, Corporate Law, Administrative Law and Service Law
	Anil Kumar Thakur	Constitutional Law, Jurisprudence, Human Rights, Environmental Laws, Law And Globalization, Law and Economics
	Dinesh Kumar	Human Rights, Arbitration Law (ADR), Law of Evidence
	Shipra Gupta	Constitutional and Commercial Laws

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
LL.B.#	300** (Morning Session only)	3 Years	Passed one of the following examinations from a recognized University/Institute: i) Bachelor's/Master's Degree in any discipline with at least 45% marks. ii) In case of a candidate having a Bachelor's degree through Modern Indian Languages (Hindi or Urdu or Punjabi (Gurmukhi Script) and/or in a Classical Language (Sanskrit or Persian or Arabic) the aggregate of 45% marks shall be calculated by taking into account the percentage of aggregate marks that he had secured at the language examination, excluding the marks for additional optional paper, English and the elective subject taken together.	Based on PUCET PU-LL.B (3 years) Entrance Test Academics: 50% PUCET(PG): 50%
LL.M.	42+4 NRI +2 Foreign National	1 Year	(a) LL.B. 3 years Degree/B.A.LL.B./B.Com. LL.B. 5 years degree examination of this University with minimum 55% marks OR (b) Any equivalent examination of another University recognized by the Syndicate for this purpose.	Based on PUCET(PG) Academic: 20% Entrance test: 80% Candidates having B.A/B.Com LL.B (Hons.) 5-years Integrated Course will be given Weightage(for Hons.), it would be denoted by Z and calculated as follows: $Z = X \times 15$ 100 $X = \text{Academic Marks i.e. } 20\%$
Ph.D.	Subject to availability of	3-6 Years	See M.Phil/Ph.D. Prospectus 2019	
LL.D.	See Regulations on pages 408-409 P.U. Cal. Vol. II, 2007.			

*5% concession is admissible in eligibility marks to SC/ST/BC/PwD candidates.

** Reservation for One Girl Child out of the only two girl children will be subject to the approval of BCI based on CWP No. 22504 of 2018.

#Since 46.5% reservation is already there in B.A.LL.B/B.Com. LL.B/LL.B and there could not be more than 50% reservation, remaining 3.5% seats be reserved for NRI candidate. In case any of such seat(s) remained unfilled, the same be converted to General seat(s).

(Vide Syndicate Para 3 dt. 11.5.2019).

Note-1: The applicants having a compartment in their qualifying examination shall not be eligible to join LL.B. course irrespective of their clearing the entrance test.

Note-2: The applicants who have obtained 10+2 or Graduation/Post Graduation through open universities system directly without having any basic qualifications for prosecuting such studies be not admitted in law courses.

Note-3: No candidate will be admitted to the LL.B. course having any Degree inconsistent with the University Grants Commission Regulations and also Bar Council of India, Rules of Legal Education 2008.

Note 4 : The concession by way of any additional seat is not applicable to the students falling under regulatory agencies such as MCI, DCI, BCI and NCTE. Thus, this concession is also not applicable to the LL.B. course, as this course is regulated by Bar Council of India.

Note 5: Timings for LL.B. classes shall be as per Bar Council of India Rules of Legal Education, 2008 i.e. 30 class-hours per week including tutorials, moot court exercise and seminar with half an hour recess.

TITLES OF SYLLABI: (Detailed syllabi available at <http://puchd.ac.in/syllabus.php?qstrfacid=7>)

LL.B.

Semester- I		Semester- II	
Paper-1	Jurisprudence-I	Paper-1	Jurisprudence-II
Paper-2	Constitutional Law-I	Paper-2	Constitutional Law-II
Paper-3	Law of Contract	Paper-3	Special Contracts
Paper-4	Family Law-I	Paper-4	Family Law-II
Paper-5	Law of Torts and Consumer Protection Act	Paper-5	Public International Law
Semester- III		Semester- IV	
Paper-1	Law of Crimes-I	Paper-1	Law of Crimes - II
Paper-2	Property Law	Paper-2	Company Law
Paper-3	Labour Law	Paper-3	Administrative Law
Paper-4	Option: Any two of the following	Paper-4	Environmental and Wild Life Protection Laws
& 5		Paper-5	Option: Any one of the following
a)	Information Technology Act & RTI Act	a)	Law of Taxation
b)	Land Laws	b)	Intellectual Property Laws
c)	International Organizations, Human Rights and Humanitarian Law		
d)	Interpretation of Statutes and Principles of Legislation		
Semester- V		Semester- VI	
Paper-1	Law of Evidence	Paper-1	Alternate Dispute Resolution
Paper-2	Criminal Procedure Code -I	Paper-2	Criminal Procedure Code-II
Paper-3	Service Law	Paper-3	Drafting, Pleading and Conveyancing
Paper-4	Civil Procedure Code	Paper-4	Professional Ethics & Professional Accountability
Paper-5	Option: Any one of the following	Paper-5	Option: Any one of the following
a)	Laws Relating to Registration, Limitation and Trust	a)	Criminology, Penology and Victimology
b)	Private International Law	b)	International Labour Organization and Labour Laws
c)	Business Law		
LL.M. (One Year Course)			
Semester- I		Semester- II	
Paper-1	Research Methods and Legal Writing	Paper-5	Law and Justice in a Globalizing World
Paper-2	Comparative Public Law	Paper-6	One optional group from two
Paper-3	One optional group from two	Group-1	Constitutional and Administrative Law:
Group-1	Constitutional and Administrative Law:	i)	Centre State Relations and Constitutional Governance
i)	Fundamental Rights and Directive Principles	ii)	Media Law
ii)	Health Laws	iii)	Administrative Law
iii)	Service Law	Group-2	Criminal and Security Law:
Group-2	Criminal and Security Law:	i)	International Criminal Law
i)	Criminology and Penology	ii)	Police Law and Administration
ii)	Criminal Justice and Human Rights	iii)	Corporate Crimes/ White Collar Crimes
iii)	Victimology	Paper-7	Dissertation
Paper-4	Term Paper (35-50 pages - font 12 Times New Roman - 1 ½ spacing)		

THRUST AREAS: Constitutional and Administrative Law, Environmental Law, Family Law, International Law, Corporate law, Human Rights, Jurisprudence, Cyber Law, Intellectual Property Rights.

PLACEMENTS: The Department has its own Placement Cell which encourages the students to undertake their internship after the class hours. The cell arranges internships to the interested students with leading lawyers, NGOs, Commissions etc. The Department has also started inviting the potential employers in the Corporate Sector for the purpose of recruitment of students in the Final year of their studies.

ALUMNI: The Department is likely to start Alumni Cell in the near future.

UNIVERSITY INSTITUTE OF LEGAL STUDIES (UILS)

ABOUT THE INSTITUTE

The University Institute of Legal Studies (UILS), a constituent department of Panjab University, has emerged as a premier legal institute of the region in almost a decade of its establishment. The institute has its own four storeyed building that includes spacious classrooms, modern Moot Court Hall, Conference Hall, Legal Aid Clinic, Computer Lab etc. It has one of the richest law library of the region with more than 16,868 text books and reference books. The library subscribes to 51 Indian and foreign journals also. The institute is committed to hone the DRAIN Drafting, Research, Advocacy, Interviewing, and Negotiation skills of its students through vibrant, interdisciplinary and content rich programmes including a spectrum of law along with the social sciences, languages and commerce subjects.

Students are trained in the essence of substantive laws, techniques of procedural laws, methods of client counseling, drafting skills along with research in law and allied fields. For accomplishment of these objectives, the Institute organizes various curricular/extra-curricular activities like Moot Court Competitions, Client Counseling Competitions, Seminars, Conferences, Group Discussions, Extension Lectures etc. from time to time. The Institute also provides a platform for the clinical legal training through its Legal Aid Clinic and compulsory internships with judges, eminent lawyers, legal firms, commissions, NGO's etc.

FACULTY

Designation	Name	Field of Research Specialization
Professors	Sangita Bhalla	Criminal Law, Human Rights, Labour & Gender Issues
	Rattan Singh (Director)	Constitutional Law, Research Methodology, Administrative Law
Associate Professors	Rajinder Kaur	Corporate Law, Advertisement Law
	Sarabjit Kaur	International Politics
	Gulshan Kumar	Industrial Economics
	Chanchal Narang	English Language Teaching
	Navneet Arora	Media Studies
Assistant Professors	Shruti Bedi	Constitutional Law, Anti-Terror Laws
	Sasha	History of Medicine & Science
	Pushpinder Kaur	Environmental Law, International Law, Criminal Law
	Jasmeet Gulati	Public International Law, Intellectual Property Laws
	Meenu Saihjpal	Micro-Economics, Industrial Economics
	Sabina Salim	Environmental Laws
	Amita Verma	Contract, Cyber Laws
	Jai Mala	Family Law, Labour Law
	Jasneet Kaur Walia	Constitutional Law, Human Rights
	Karan Jawanda	Hindu Law and Civil Procedure
	Anju Berwal	Criminal Law
	Bharat	Commercial Law
Ajay Ranga	Criminal Law, Forensic Studies	
Anupam Bahri	Gender Ageing	
Virender Negi	Constitutional Law	

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.A.LL.B. (Hons.) 5 Yr. Integrated Course [#]	120**	5 Years	10+2 examination with at least 50% marks from any recognized Board/ University.**	Based on PU-B.A. /B.Com LL.B (Hons.) Entrance Test Academics: 50% Entrance Test: 50%
B.Com. LL.B. (Hons.) 5 Yr. Integrated Course [#]	120**	5 Years	10+2 examination with atleast 50% marks from any recognized Board/ University.**	Based on PU-B.A/B.Com LL.B (Hons.) Entrance Test Academics: 50% Entrance Test: 50% Plus Weightage for commerce subjects

1. LL.M. (Self Finance) with specializations /Law, Science and Technology Or 2. Commercial and Corporate Laws Or 3. Constitutional & Administrative Law	50+4 NRI	1 Year	LL.B. 3-years Degree / B.A.LL.B./ B.B.A. LL.B/B.Com.LL.B. 5-years Degree with minimum 55% marks of this University or equivalent examination from any recognized University.	Based on PUCET(PG) Academics: 20% PU-CET(PG): 80%
Master of Laws (Self Finance) (Evening) with specialization/s Constitutional and Environment Law Or Criminal and Corporate Law	25+2NRI (for Fresh Law Graduates)	2 Years	LL.B. 3-years Degree/B.A.LL.B./ B.A.LL.B./Com.LL.B. 5-years degree examination of this University with minimum 55% marks or equivalent examination from any recognized University.	Based on PU-CET(PG) Academics: 20% PU-CET(PG): 80%
	25*** (for Advocates/ Judicial Officers/ Civil servants discharging Judicial Duties)	2 Years	LL.B. 3-years Degree/B.A.LL.B./ B.Com.LL.B. 5-years degree examination of this University with minimum 55% marks or equivalent examination from any recognized University.	Based on PU-CET(PG) Academics: 20% PU-CET(PG): 80%

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

**The applicants who have obtained 10+2 Higher Secondary Pass Certificate or First Degree Certificate after prosecuting Studies in distance or correspondence method shall also be considered as eligible for admission in the Integrated Five Years Course. However, the applicants who have obtained 10+2 through open Universities system directly without having any basic qualification for prosecuting such studies are not eligible for admission in the law course (As per proviso and explanation to Rule 5 (b) of Bar Council of India Rules of Legal Education, 2008).

*** A weightage of 10 marks with ½ mark for every completed year of practice/ employment will be given to Advocates/Judicial officers/ Civil servants (Syndicate Para 52 R (Appendix -XIII) dated 19.7.2015, Senate Para LXI, Item R-31 dated 27.9.2015)

#Since 46.5% reservation is already there in B.A.LL.B/B.Com. LL.B/LL.B and there could not be more than 50% reservation, remaining 3.5% seats be reserved for NRI candidate. In case any of such seat(s) remained unfilled, the same be converted to General seat(s).

(Vide Syndicate Para 3 dt. 11.5.2019).

Note: Candidates having B.A./B.Com. LL.B. (Hons.) 5-years Integrated Course will be given Weightage (for Hons.), it would be denoted by Z and calculated as follows:

$$Z = X \times 15/100$$

X = Academic Marks i.e. 20%

TITLES OF SYLLABI (detailed syllabi and the paper numbers, please refer to <http://puchd.ac.in/syllabus.php?qstrfacid=7>)

B.COM.LL.B (Hons.) 5 Years Integrated Course List of Papers (2019-20)

Semester-I		Semester-II	
Paper-I	English-I	Paper-II	English-II
Paper-II	Business Economics-I	Paper-II	Business Economics-II
Paper-III	Principles of Financial Accounting	Paper-III	Corporate Accounting
Paper-IV	Banking and Insurance	Paper-IV	Business Mathematics and Statistics
Paper-V	Law of Torts including Motor Vehicle Accident Act and Consumer Protection Laws	Paper-V	Jurisprudence
Paper-VI	Law of Contract	Paper-VI	Special Contract
Semester-III		Semester-IV	
Paper-I	Cost Accounting	Paper-I	Functional Management
Paper-II	Indian Economy	Paper-II	Financial Management
Paper-III	Management Concepts and Practices	Paper-III	Entrepreneurship and Small Scale Business
Paper-IV	English-III	Paper-IV	Hindi/Punjabi/French
Paper-V	Constitutional Law-I	Paper-V	Constitutional Law-II
Paper-VI	Family Law-I	Paper-VI	Family Law-II

Semester-V	Semester-VI
<p>Subjects (Major) Paper-I Operations Research (Minor) Paper-II Financial Management (Major-V)</p> <p>Subjects (optional) Paper-III(a) Hindi-II Paper-III(b) Punjabi-II Paper-III(c) French-II The following subjects shall be compulsory Paper-IV Indian Penal Code-I Paper-V Criminal Procedure-I Opt any one of the following subjects Paper-VI(a) Local Self Government Paper-VI(b) Interpretation of Statutes and Principles of Legislation Paper-VI(c) International Criminal Law and International Criminal Court</p>	<p>Subjects (Major) Paper-I Auditing and Indirect Tax (Minor) Paper-II Entrepreneurship and Small Scale Business (Major-VI)</p> <p>Subjects (optional) Paper-III(a) Hindi-III Paper-III(b) Punjabi-III Paper-III(c) French-III The following subjects shall be compulsory Paper-IV Indian Penal Code-II Paper-V Criminal Procedure-II Opt any one of the following subjects Paper-VI(a) Law Relating to Agriculture (common with Law and Agriculture) Paper-VI(b) Private International Law Paper-VI(c) Land Laws and Rent Laws</p>
Semester-VII	Semester-VIII
<p>The following subjects shall be compulsory Paper-I Alternate Dispute Resolution Paper-II Law of Property (common with Property Law including Transfer of Property Act 1882) Paper-III Law of Evidence Paper-IV Civil Procedure-I Paper-VI Business Laws-I Opt any one of the following subjects Paper-V (a) Gender Justice and Feminist Jurisprudence Paper-V (b) Right to Information and Media Law Paper-V (c) Organized Crimes and Internal Security Laws</p>	<p>Paper-I Company Law Paper-II Drafting, Pleading and Conveyance Paper-III Environmental Law Paper-IV Civil Procedure including Limitation Law-II Paper-VI Business Laws-II Opt any one of the following subjects Paper-V (a) International Trade Law Paper-V (b) Election Law Paper-V (c) Service Laws</p>
Semester-IX	Semester-X
<p>Paper-I Labour and Industrial Laws Paper-II Moots and Practical Training (common with Moots) Paper-III Forensic Science Paper-IV International Human Rights Paper-V Principles of Taxation Law</p>	<p>Paper-I Labour Laws and International Labour Organization Paper-II Information Technology Law Paper-III Professional ethics and Professional accounting system Paper-IV Criminology, Penology and Victimology Paper-V Intellectual Property Laws</p>

B.A.LL.B (Hons.) 5 Years Integrated Course List of Papers (2019-20)

Semester-I	Semester-II
<p>Paper-I English-I Paper-II History-I Paper-III Political Science-I Paper-IV Sociology-I Paper-V Law of Torts including Motor Vehicle Accident Act and Consumer Protection Laws Paper-VI Law of Contract</p>	<p>Paper-I English-II Paper-II History-II Paper-III Political Science-II Paper-IV Sociology-II Paper-V Jurisprudence Paper-VI Special Contract</p>

Semester-III		Semester-IV	
Paper-I	History-III	Paper-I	Legal History
Paper-II	Sociology-III	Paper-II	Political Science-III
Paper-III	Economics-I	Paper-III	Economics-II
Paper-IV	English-III	Paper-IV	Hindi/Punjabi/French
Paper-V	Constitutional Law-I	Paper-V	Constitutional Law-II
Paper-VI	Family Law-I	Paper-VI	Family Law-II
Semester-V		Semester-VI	
Paper-I (a)	Group-I History-II (Minor) OR	Paper-I (a)	Group-I History-III (Minor) OR
Paper-I (b)	Group-II Sociology-II (Minor)	Paper-I (b)	Group-II Sociology-III (Minor)
Major (optional)		Subjects (Optional)	
Paper-II (a)	Political Science-V (Major)	Paper-II (a)	Political Science-VI (Major)
Paper-II (b)	History-V (Major)	Paper-II (b)	History-VI (Major)
Paper-II (c)	Economics-V (Major)	Paper-II (c)	Economics-VI (Major)
Paper-II (d)	Sociology-V (Major)	Paper-II (d)	Sociology-VI (Major)
Paper-II (e)	English-V (Major)	Paper-II (e)	English-VI (Major)
Subjects (Optional)		Subjects (Optional)	
Paper-III(a)	Hindi-II	Paper-III(a)	Hindi-III
Paper-III(b)	Punjabi-II	Paper-III(b)	Punjabi-III
Paper-III(c)	French-II	Paper-III (c)	French-III
The following subjects shall be compulsory		The following subjects shall be compulsory	
Paper-IV	Indian Penal Code-I	Paper-IV	Indian Penal Code-II
Paper-V	Criminal Procedure-I	Paper-V	Criminal Procedure-II
Opt any one of the following subjects		Opt any one of the following subjects	
Paper-VI(a)	Local Self Government	Paper-VI(a)	Law Relating to Agriculture (common with Law and Agriculture)
Paper-VI(b)	Interpretation of Statutes and Principles of Legislation	Paper-VI(b)	Private International Law
Paper-VI(c)	International Criminal Law and International Criminal Court	Paper-VI(c)	Land Laws and Rent Laws
Semester-VII		Semester-VIII	
The following subjects shall be compulsory		The following subjects shall be compulsory	
Paper-I	Alternate Dispute Resolution	Paper-I	Company Law
Paper-II	Law of Property (common with Property Law including Transfer of Property Act 1882)	Paper-II	Drafting, Pleading and Conveyance
Paper-III	Law of Evidence	Paper-III	Environmental Law
Paper-IV	Civil Procedure-I	Paper-IV	Civil Procedure including Limitation Law-II
Paper-VI	Business Laws-I	Paper-VI	Business Laws-II
Opt any one of the following subjects		Opt any one of the following subjects	
Paper-V (a)	Gender Justice and Feminist Jurisprudence	Paper-V (a)	International Trade Law
Paper-V (b)	Right to Information and Media Law	Paper-V (b)	Election Law
Paper-V (c)	Organized Crimes and Internal Security Laws	Paper-V (c)	Service Laws
Semester-IX		Semester-X	
Paper-I	Labour and Industrial Laws	Paper-I	Labour Laws and International Labour Organization
Paper-II	Moots and Practical Training (common with Moots)	Paper-II	Information Technology Law
Paper-III	Forensic Science	Paper-III	Professional ethics and Professional accounting system
Paper-IV	International Human Rights	Paper-IV	Criminology, Penology and Victimology
Paper-V	Principles of Taxation Law	Paper-V	Intellectual Property Laws

1ST SEMESTER		
Law, Science & Technology	Commercial and Corporate Law	Constitutional and Administrative Law
Compulsory Subjects		
Law & Justice in Globalising World, P-I		
Legal Education and Research Methodology, P-II		
Optional Subjects		
Law Health & Technology P-III	Corporate Governance and Corporate Social Responsibility, P-VI	Centre State Relations and Constitutional Governance
Intellectual Property Rights in 21 st Century, P-IV	Banking & Insurance, P-VII	Media Law
General Principles of Criminal Law and Forensic Studies, P-V	Commercial Arbitration, P-VIII	Police and Security Administration
Term Paper		
2ND SEMESTER		
Compulsory Subjects		
Comparative Public Law, P-IX		
Optional Subjects		
Law relating to Cyber Space and E-commerce, P-X	International Trade Law, P-XIII	Fundamental Rights and Directive Principles
Legal Pedagogy, Language and Education, P-XI	Transnational Corporation and Human Rights, P-XIV	Administrative Law
Environmental Law and Policy, P-XII	Labour and Employment Law, P-XV	Environment Law
Dissertation & Viva-Voce		

MASTER OF LAWS – TWO YEAR (4 Semester) Degree Course

Semester-I		Semester-II	
Paper-I	Jurisprudence and Global Justice	Paper-V	Law and Social Transformation
Paper-II	International Law and Human Rights	Paper-VI	Constitutional Law and New Challenges
Paper-III	Legal Education and Research Methodology	Paper-VII	General Principles of Criminal Law and Forensic Studies
Paper-IV	Methods of Legislation and Interpretation of Statutes Term Paper	Paper-VIII	Family Law
Semester-III		Semester-IV	
Choose any One of the following Groups		Choose any One of the following Groups	
GROUP-I CONSTITUTIONAL AND ENVIRONMENT LAW		GROUP-I CONSTITUTIONAL AND ENVIRONMENT LAW	
Paper-IX	Administrative Law	Paper-XVII	Comparative Public Law
Paper-X	Service Law	Paper-XVIII	Environmental Law and Policy
Paper-XI	Environmental Protection Law- I	GROUP-II CRIMINAL AND CORPORATE LAW	
Paper-XII	Environmental Protection Law- II	Paper-XIX	Corporate Crimes and White Collar Crimes
GROUP-II CRIMINAL & CORPORATE LAW		Paper-XX	International Trade Law
Paper-XIII	Criminology, Penology and Victimology		Dissertation and Viva Voce
Paper-XIV	Economic and Social Offences		
Paper-XV	Corporate Governance and Corporate Social Responsibility		
Paper-XVI	Banking and Insurance Law		

THRUST AREAS: B.A.LL.B. (Hons.)/B.Com.LL.B. (Hons.) 5 years Integrated Course: Languages, Local Self Government, Interpretation of Statutes and Principles of Legislation, International Criminal Law and International Criminal Court, Private International Law, Land Laws and Rent Laws, Gender Justice and Feminist Jurisprudence, Right to Information and Media Law, Organized Crimes and Internal Security Laws, International Trade Law, Election Law, Service Laws. One Year LL.M. Course: Law, Science & Technology, Commercial and Corporate Laws; Master of Laws- Two Year (4 Semester) Degree Course: Constitutional and Environment Law, Criminal and Corporate Law.

CAREER DEVELOPMENT CELL: University Institute of legal studies recognizes the significance of placements and internships in the future career of the students. The Career Development Cell in UILS has aligned with Law Firms, PSUs, International Organizations, NGOs, Tribunals, Commissions and MNCs for inculcating the legal acumen among the students. For this purpose, the UILS Career Development Cell is regularly organizing lecture series for the development of soft skills and career guidance in different fields i.e. judiciary, corporate, litigation and other promising areas. Our vision is to familiarize our students with the vast and upcoming areas in the legal field and to enable them to choose the areas of their interest which can help them to excel in their future endeavors. The UILS Career Development Cell is also taking an initiative to tie-up with foreign universities for post graduation.

ALUMNI RELATIONS: The institute has its alumni in diversified fields e.g. Civil Services, Judicial Services, Teaching etc. The institute has planned to hold Annual Alumni Meet to strengthen its network.

VIII. FACULTY OF MEDICAL SCIENCE

DR. HARVANSH SINGH JUDGE INSTITUTE OF DENTAL SCIENCES AND HOSPITAL

ABOUT THE DEPARTMENT

In view of an imminent need for providing a public funded quality oral health care set up to impart dental education and open avenues for research in the field of Oral Health, a Dental Sciences Institute & Hospital was essential. Hence, under the aegis of Panjab University, Dr. Harvansh Singh Judge Institute of Dental Sciences & Hospital was established in April, 2006 it is duly approved by Dental Council of India/Ministry of Health & Family Welfare, Govt. of India. The Institute aims at providing excellent oral health care facilities to the general public in addition to undergraduate and postgraduate training to students. It has the ability to generate ample research avenues in dental / medical sciences which can have a far reaching impact on not only oral but general health with special thrust on community healthcare and outreach programmes especially for the children and the underserved population. The Institute was rated as "Top Dental College" in the region in a survey by "The Tribune". Institute was also ranked 5th in the country with regard to National Assessment and Accreditation Council as per list released by Dental Council of India.

This Institute encompasses a total of 18 departments (9 dental and 9 medical) with 8 clinical and 11 pre-clinical and paraclinical laboratories. Within a short span the Institute has been attending to 350-400 patients everyday in the various specialty clinics. A fully equipped diagnostic lab is functional at the Institute which is carrying out bio-chemical, histopathological and micro-biological tests at the Institute itself. The academic courses being offered in this Institute are Bachelor of Dental Surgery and Masters in Dental Surgery. BDS is four year course followed by one year compulsory paid rotatory internship with intake of 100 students. MDS is a three years course presently admitting 17 students in six specialties. Our faculty members have been keenly involved in conducting research in various clinical and basic sciences. The major focus areas of this Institution is to provide good and affordable dental treatment in various specialties to the general public, carry out clinical research including surveys, diagnostics & randomized controlled clinical trials, conduct outreach programs to enhance oral health awareness to the underserved population for the benefit of the masses and to provide clinical and didactic training as part of undergraduate teaching curriculum.

Institute has a well-equipped library. The general ailments in patients from adjoining areas are also being attended to by faculty in the medical and surgical OPD. Dental Institute also conducts camps in various schools of Chandigarh and adjoining rural areas.

The Institute strives to provide selfless service to mankind to alleviate the oral sufferings of the masses, contribute to the society by generating dental workforce for the future, working on key research areas with focus on futuristic treatment modalities.

FACULTY

Designation	Name	Field of Research Specialization
Principal-cum-Professor Professors	Jagat Bhushan	Conservative Dentistry & Endodontics
	Ashish Jain	Periodontics
	Hemant Batra	Oral & Maxillofacial Surgery
	Shefali Singla	Prosthodontics
	Deepak Kumar Gupta	Orthodontics
Associate Professor	Shally Gupta	Oral Pathology
	Abha Sheth	General Anatomy
	Anubha Gulati	Oral Pathology
	Arun Kumar Garg	Orthodontics
	Divya Mahajan	General Anatomy
	Ikreet Singh Bal	Community Dentistry
	Kitty Sidhu	Conservative Dentistry & Endodontics
	Komal Marwaha	Physiology
	Komal Sehgal	Prosthodontics
	Lalit Kumar	Prosthodontics
M.K. Chhabra	Pharmacology	
Maninder Pal Singh	General Surgery	
Manjula Mehta	Microbiology	

Assistant Professor	Neeraj Sharma	Oral Medicine & Radiology
	Rajesh Kumar Joshi	Conservative Dentistry & Endodontics
	Ramandeep Saluja	Oral Pathology
	Satya Narain	Oral & Maxillofacial Surgery
	Savita Prashar	Biochemistry
	Shipra Gupta	Periodontics
	Sukant Garg	General Pathology
	Urvashi Sharma	Pedodontics
	Vandana Chhabra	Oral & Maxillofacial Surgery
	Vinay Kapur	General Medicine
	Vishakha Grover	Periodontics
	A.P.S. Sandhu	Oral & Maxillofacial Surgery
	Amandeep Kaur	Conservative Dentistry & Endodontics
	Amandeep S. Uppal	Conservative Dentistry & Endodontics
	Amrita Rawla	Conservative Dentistry & Endodontics
	Archana Agnihotri	Pedodontics
	Gurprakash Singh Chahal	Periodontics
	Harsimran Kaur Boparai	General Anesthesia
	Harveen Kaur	Oral Medicine & Radiology
	Jyoti Gupta	Periodontics
	Jyoti Sharma	Microbiology
	Kavita Sekhri	Pharmacology
	Leena Verma	Pedodontics
	Litesh Singla	Orthodontics
	Manjot Kaur	Conservative Dentistry & Endodontics
	Mili Gupta	Biochemistry
	Monika Nagpal	Prosthodontics
	Namrata C. Gill	Pedodontics
	Nandini Bhaskar	Periodontics
	Neha Bansal	Oral Medicine & Radiology
	Poonam Sood	Community Dentistry
	Prabhjot Cheema	General Anatomy
	Prabhjot Kaur	Public Health Dentistry
	Prabhleen Brar	Conservative Dentistry & Endodontics
	Pradip Singh	Oral & Maxillofacial Surgery
	Puneet	Prosthodontics
	Rajdeep Brar	Oral Medicine & Radiology
	Rajeev Rattan	Oral Medicine & Radiology
	Rajni Jain	Prosthodontics
	Rakhi Aulakh	General Pathology
	Rose Kanwaljeet Kaur	Periodontics
	Rosy Arora	Pedodontics
	Ruchi Singla	Conservative Dentistry & Endodontics
	Ruchi Vashisht	Conservative Dentistry & Endodontics
	Ruchika	Pharmacology
Sharique Rehan	Prosthodontics	
Shaweta Sood	Periodontics	
Sidhi Passi	Pedodontics	
Simranjit Singh	Oral Pathology	
Sonia Bhardwaj	Microbiology	
Sujata Upadhyay	Physiology	
Sukhwinder Singh	General Medicine	
Sunint Singh	Prosthodontics	
Suruchi Aditya	Pharmacology	

Dental Surgeon	Swaty Jhamb	Conservative Dentistry & Endodontics
Demonstrators	Vandana Gupta	Oral & Maxillofacial Surgery
	Virender Kumar	Prosthodontics
	Vivek Kapoor	Conservative Dentistry & Endodontics
	Preeti Kang	Oral Medicine & Radiology
	Anupam Vijayvergia	General Pathology
	Harkirat Sethi	Periodontics
	Ravi Kant Sharma	Biochemistry

COURSE OFFERED:

Course	Seats	Duration	Eligibility	Admission Criteria
B.D.S.	85+15 NRI*	5 Years	Passed + 2 (Medical Stream)	Based on NEET
M.D.S.	Conservative & Endodontics: 3 Oral & Maxillofacial Surgery: 2 Orthodontics & Dentofacial Orthopaedics: 3 Prosthodontics & Crown & Bridge: 3 Periodontology: 3 Oral Pathology & Microbiology: 3	3 Years	BDS Degree from a recognized Dental Institute	Based on NEET (MDS)

* NEET required for admission in NRI category.

TITLE OF SYLLABI: (Detailed syllabi available at <http://www.dciindia.org.in>)

B.D.S.

1st year	2nd year
Anatomy, Human Physiology, Biochemistry, Dental Anatomy and Oral Histology	Dental Material, General Pharmacology, General Pathology, General Microbiology, Pre-Clinical Prosthodontics, Pre-Clinical Conservative Dentistry
3rd year	4th year
General Medicine, General Surgery, Oral Pathology	Oral Medicine and Radiology, Oral Surgery, Prosthodontics, Periodontics, Conservative Dentistry, Pedodontics, Orthodontics, Public Health Dentistry

5th year --- Internship**M.D.S.**

Conservative Dentistry and Endodontics	Prosthodontics and Crown & Bridge
<p>Part-I To be conducted at the end of first year. Paper-1 Applied Basic Sciences : Applied Anatomy, Physiology, Pathology including Oral Microbiology, Pharmacology, Biostatistics and Research Methodology and Applied Dental Materials.</p> <p>Part-II To be conducted at the end of third year. Paper-I : Conservative Dentistry Paper-II : Endodontics Paper-III : Descriptive and analysing type question</p>	<p>Part-I To be conducted at the end of first year. Paper-I: Applied Basic Sciences : Applied anatomy, embryology, growth and development Genetics, Immunology, anthropology, Physiology, nutrition and Biochemistry, Pathology and Microbiology, virology, Applied pharmacology, Research Methodology and bio statistics, Applied Dental anatomy and histology, Oral pathology & oral Microbiology, Adult and geriatric psychology. Applied dental materials.</p> <p>To be conducted at the end of third year. Paper-I : Removable Prosthodontics and Implant supported prosthesis(Implantology), Geriatric dentistry and Cranio facial Prosthodontics Paper-II : Fixed Prosthodontics, occlusion, TMJ and esthetics. Paper-III : Descriptive and analysing type question</p>

PERIODONTOLOGY	ORAL & MAXILLOFACIAL SURGERY
<p>Part-I To be conducted at the end of first year. Paper-I : Applied Basic Sciences: Applied Anatomy, Physiology, and Biochemistry, Pathology, Microbiology, Pharmacology, Research Methodology and Biostatistics.</p> <p>Part-II To be conducted at the end of third year. Paper I : Normal Periodontal structure, Etiology and Pathogenesis of Periodontal diseases, epidemiology as related to Periodontics Paper II : Periodontal diagnosis, therapy and Oral implantology Paper III : Descriptive and analysing type question</p>	<p>Part-I To be conducted at the end of first year. Paper-I : Applied Basic Sciences: Applied Anatomy, Physiology, & Biochemistry, Pathology, Microbiology, Pharmacology, Research Methodology and Biostatistics.</p> <p>Part- II: To be conducted at the end of third year. Paper-I : Minor Oral Surgery and Trauma Paper-II : Maxillo-facial Surgery Paper-III : Descriptive and analysing type question</p>
ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS	ORAL AND MAXILLOFACIAL PATHOLOGY AND ORAL MICROBIOLOGY
<p>Part-I To be conducted at the end of first year. Paper-I : Applied Basic Sciences : Applied anatomy, Physiology, Dental Materials, Genetics, Pathology, Physical Anthropology, Applied Research methodology, Bio-Statistics and Applied Pharmacology.</p> <p>Part-II To be conducted at the end of third year. Paper-I : Orthodontic history, Concepts of occlusion and esthetics, Child and Adult Psychology, Etiology and classification of malocclusion, Dentofacial Anomalies, Diagnostic procedures and treatment planning in Orthodontics, Practice management in Orthodontic Paper II : Clinical Orthodontics Paper III : Descriptive and analysing type question</p>	<p>Part-I To be conducted at the end of first year. Paper-I : Applied Basic Sciences: Applied anatomy, Physiology (General and oral), Cell Biology, General Histology, Biochemistry, General Pathology, General and Systemic Microbiology, Virology, Mycology, Basic Immunology, Oral Biology (oral and dental histology), Biostatistics and Research Methodology</p> <p>Part-II: To be conducted at the end of third year. Paper-I: Oral pathology, Oral Microbiology and Immunology and Forensic Odontology Paper-II : Laboratory techniques and Diagnosis and Oral Oncology Paper-III : Descriptive and analysing type question</p>

THRUST AREAS: Patient care, Outreach activities, Innovation in Research.

IX. FACULTY OF PHARMACEUTICAL SCIENCES

UNIVERSITY INSTITUTE OF PHARMACEUTICAL SCIENCES

ABOUT THE INSTITUTE

The University Institute of Pharmaceutical Sciences (UIPS) was established in Lahore in 1944 and got re-located on the campus of Panjab University, Chandigarh in 1959. The Institute is one of the most prestigious academic organizations committed and catering to excellence in all the domains of pharmaceutical sciences. More than 3400 research papers, 230 Ph.Ds, 61 books, 84 patents (granted, published & filed), numerous national and international awards, and meritorious recognitions to the faculty are some of the notable accomplishments of the Institute. A few of the remarkable discoveries of new medicines have seen the reality of industrial commercialization after their successful technology transfers. Three of the faculty members have been elected as National Presidents of the prestigious Indian Pharmaceutical Congress too. The alumni occupy the highest echelons in industry, research organizations and academia in India and abroad.

In recognition to its contributions in research and teaching, the University Grants Commission (UGC) has accorded the highest level of status to the Institute as Centre of Advanced Study (CAS-II) in Pharmaceutical Sciences the first University Institution in the country to be granted with this status. Since 2009, the UIPS has been the sole institute of the country to serve as UGC Networking Resource Centre (NRC) to impart training to the pharmacy professionals in frontier and thrust domains of pharmaceutical sciences. Recently the UGC has also sanctioned a grant of Rs 5.00 crores for the Phase II UGC Networking Resource Centre (NRC) for a period of five years from 2017 to 2022. By virtue of its remarkable attainments, the Ministry of Human Resource Development (MHRD), through its NIRF parameter scale, has declared the UIPS as third among the top-ranking Pharmacy Institutes consecutively for two years i.e. 2017 & 2018. Earlier in April 2016 - UIPS was ranked Second Overall among the top-ranking Pharmacy Institutes. This year, the Institute celebrates completion of its 75 years as the Platinum Jubilee.

Faculty

Designation	Name	Field of Research Specialization
Professors Emeritus	Harkishan Singh	Pharmaceutical Chemistry
	S.K. Kulkarni	Pharmacology
Professors	Kanwaljit Chopra (Chairperson)	Pharmacology
	Karan Vasisht	Pharmacognosy
	O.P. Katare	Pharmaceutics
	V.R. Sinha	Pharmaceutics
	Bhupinder Singh Bhoop	Pharmaceutics
	Renu Chadha	Pharmaceutical Chemistry
	Anupam Sharma	Pharmacognosy
	Indu Pal Kaur	Pharmaceutics
	Manoj Kumar	Pharmaceutical Chemistry
	Anil Kumar	Pharmacology
	Ranju Bansal	Pharmaceutical Chemistry
	Poonam Piplani	Pharmaceutical Chemistry
	Maninder Karan	Pharmacognosy
Associate Professor	Alka Bali	Pharmaceutical Chemistry
Assistant Professors	Anurag	Pharmacology
	Neelima Dhingra	Pharmaceutical Chemistry
	Jai Malik	Pharmacognosy
	Ashwani Kumar	Pharmacognosy
	Vandita Kakkar	Pharmaceutics
	Amita Sarwal	Pharmaceutics
	Sangeeta Pilkhwal Sah	Pharmacology
	Gurpal Singh (UGC FRP)	Pharmaceutics
	Ashok Yadav (UGC FRP)	Pharmaceutics
	Sandeep Pawar (UGC FRP)	Pharmaceutics

Courses offered**BACHELOR OF PHARMACY (B. PHARM.): (Semester System)**

Courses	Seats	Duration	Eligibility/Admission Criteria
B. Pharm.	46+6NRI +2 Foreign National	4 years	50% Marks in 10+2 with English, Physics, Chemistry and one of the following subjects: Biology/Biotechnology/Mathematics Admission based on P.U. CET-2019 (U.G.)

MASTER OF PHARMACY (M. PHARM.):**Regular Courses**

M. Pharm. in Pharmaceutical Chemistry	Category A: 08 Category B: 02 NRI: 02	2 years	50% Marks in B. Pharm. from AICTE/PCI approved Institutions/ Universities with valid GPAT score*. For NRI Category, B. Pharm. with valid GPAT/GRE (General). Admission to all M. Pharm. Courses is made on the basis of combined merit calculated from aggregate marks obtained in B. Pharm. 4-years Course (30% weightage) and GPAT score (70% weightage).
M. Pharm. in Pharmaceutics	Category A: 08 Category B: 02 NRI: 02		
M. Pharm. in Pharmacognosy	Category A: 04 Category B: 01 NRI: 01		
M. Pharm. in Pharmacology	Category A: 04 Category B: 01 NRI: 01		
Self-Finance Courses:			
M. Pharm. in Pharmaceutical Analysis	10+2 NRI+1 Foreign National		
M. Pharm. in Quality Assurance	10+2 NRI+1 Foreign National		

*The Non-GPAT candidates will be considered for admission in the Self-Finance courses, only if the seat(s) remain vacant after admitting all GPAT-qualified candidates, provided that their overall percentage of B. Pharm. marks is not less than 60%.

Category A : Panjab University candidates

Category B : Candidates from institutes other than Panjab University

Note:

- Any seat(s) remaining unfilled under Category A will be transferred to Category B, and vice-versa.
- There is a provision of grant of scholarship to GPAT-qualified candidates on merit basis under Direct Benefit Transfer (DBT) Scheme of AICTE/UGC as per their guidelines.

Doctor of Philosophy: GPAT-qualified students are registered from time to time for Ph.D., depending upon the availability of seats under different projects/schemes/fellowships sponsored by different agencies, including industry. For more information, refer to Rules and Regulations governing Ph. D. degree in Faculty of Pharmaceutical Sciences.

Titles of Syllabi : (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

Bachelor of Pharmacy (B. Pharm.)

Paper	Semester-I	Paper	Semester-II
BP101T	Human Anatomy and Physiology I- Theory	BP201T	Human Anatomy and Physiology II - Theory
BP102T	Pharmaceutical Analysis I -Theory	BP202T	Pharmaceutical Organic Chemistry I - Theory
BP103T	Pharmaceutics I - Theory	BP203T	Biochemistry - Theory
BP104T	Pharmaceutical Inorganic Chemistry - Theory	BP204T	Pathophysiology - Theory
BP105T	Communication skills - Theory *	BP205T	Computer Applications in Pharmacy - Theory *
BP106	RBT Remedial Biology	BP206T	Environmental sciences - Theory *
BP106	RMT Remedial Mathematics - Theory*	BP207P	Human Anatomy and Physiology II -Practical
BP107P	Human Anatomy and Physiology - Practical	BP208P	Pharmaceutical Organic Chemistry I- Practical

BP108P	Pharmaceutical Analysis I - Practical	BP209P	Biochemistry - Practical
BP109P	Pharmaceutics I - Practical	BP210P	Computer Applications in Pharmacy - Practical*
BP110P	Pharmaceutical Inorganic Chemistry - Practical		
BP111P	Communication skills - Practical*		
BP112	RBP Remedial Biology - Practical*		
Paper	Semester-III	Paper	Semester-IV
BP301T	Pharmaceutical Organic Chemistry II - Theory	BP401T	Pharmaceutical Organic Chemistry III - Theory
BP302T	Physical Pharmaceutics I - Theory	BP402T	Medicinal Chemistry I - Theory
BP303T	Pharmaceutical Microbiology - Theory	BP403T	Physical Pharmaceutics II - Theory
BP304T	Pharmaceutical Engineering - Theory	BP404T	Pharmacology I - Theory
BP305P	Pharmaceutical Organic Chemistry II - Practical	BP405P	Pharmacognosy and Phytochemistry I- Theory
BP306P	Physical Pharmaceutics I - Practical	BP406P	Medicinal Chemistry I - Practical
BP307P	Pharmaceutical Microbiology - Practical	BP407P	Physical Pharmaceutics II - Practical
BP308P	Pharmaceutical Engineering -Practical	BP408P	Pharmacology I - Practical
		BP409P	Pharmacognosy and Phytochemistry I - Practical
Paper	Semester-V	Paper	Semester-VI
BP501T	Medicinal Chemistry II- Theory	BP601T	Medicinal Chemistry III - Theory
BP502T	Industrial Pharmacy I - Theory	BP602T	Pharmacology III - Theory
BP503T	Pharmacology I - Theory	BP603T	Herbal Drug Technology - Theory
BP504T	Pharmacognosy and Phytochemistry II-Theory	BP604T	Biopharmaceutics Pharmacokinetics - Theory
BP505P	Pharmaceutical Jurisprudence - Theory	BP605P	Pharmaceutical Biotechnology - Theory
BP506P	Industrial Pharmacy I - Practical	BP606P	Quality Assurance - Theory
BP507P	Pharmacology II - Practical	BP607P	Medicinal Chemistry III - Practical
BP508P	Pharmacognosy and Phytochemistry II - Practical	BP608P	Pharmacology III - Practical
		BP609P	Herbal Drug Technology - Practical
Paper	Semester-VII	Paper	Semester-VIII
PHARM-7011	Pharmaceutical Analysis-III	PHARM-8011	Medicinal Chemistry-IV
PHARM-7021	Pharmaceutical Technology-IV	PHARM-8021	Pharmaceutical Technology-V
PHARM-7022	Pharmacokinetics and Biopharmaceutics-I	PHARM-8022	Pharmacokinetics and Biopharmaceutics-II
PHARM-7031	Pharmacognosy-V	PHARM-8023	Clinical Pharmacy
PHARM-7041	Pharmacology-IV	PHARM-8031	Pharmacognosy-VI
PHARM-7111	Pharmaceutical Analysis Practical-III	PHARM-8111	Medicinal Chemistry Practical-IV
PHARM-7121	Pharmaceutical Technology Practical-IV	PHARM-8121	Pharmacokinetics, Biopharmaceutics and Clinical Pharmacy Practical
PHARM-7131	Pharmacognosy Practical-V	PHARM-8131	Pharmacognosy Practical-VI
PHARM-7141	Pharmacology Practical-IV		
*Non University Examination (NUE)			
Master of Pharmacy (M. Pharm.)			
M. Pharm. (Pharmaceutics)			
Paper	Semester-I	Paper	Semester-II
MPH101T	Modern Pharmaceutical Analytical Techniques	MPH202T	Advanced Biopharmaceutics & Pharmacokinetics
MPH102T	Drug Delivery System	MPH203T	Computer Aided Drug Delivery System
MPH103T	Modern Pharmaceutics	MPH201T	Molecular Pharmaceutics(Nano Tech and Targeted DDS)
MPH104T	Regulatory Affair	MPH204T	Cosmetic and Cosmeceuticals
MPH105T	Pharmaceutics Practical I	MPH205P	Pharmaceutics Practical II
-	Seminar/Assignment	-	Seminar/Assignment

M. Pharm. (Pharmaceutical Chemistry)			
Paper	Semester -I	Paper	Semester -II
MPC101T	Modern Pharmaceutical Analytical Techniques	MPC201T	Advanced Spectral Analysis
MPC102T	Advanced Organic Chemistry -I	MPC202T	Advanced Organic Chemistry -II
MPC103T	Advanced Medicinal chemistry	MPC203T	Computer Aided Drug Design
MPC104T	Chemistry of Natural Products	MPC204T	Pharmaceutical Process Chemistry
MPC105P	Pharmaceutical Chemistry Practical I	MPC205P	Pharmaceutical Chemistry Practical II
-	Seminar/Assignment	-	Seminar/Assignment
M. Pharm. (Pharmacology)			
Paper	Semester -I	Paper	Semester -II
MPL 101T	Modern Pharmaceutical Analytical Techniques	MPL 201T	Advanced Pharmacology II
MPL 102T	Advanced Pharmacology	MPL 102T	Pharmacological and Toxicological Screening Methods-II
MPL 103T	Pharmacological and Toxicological Screening Methods-I	MPL 203T	Principles of Drug Discovery
MPL 104T	Cellular and Molecular Pharmacology	MPL 204T	Experimental Pharmacology practical-II
MPL 105P	Pharmacology Practical I	MPL 205P	Pharmacology Practical II
-	Seminar/Assignment	-	Seminar/Assignment
M. Pharm. (Pharmacognosy)			
Paper	Semester -I	Paper	Semester -II
MPG101T	Modern Pharmaceutical Analytical Techniques	MPG201T	Medicinal Plant biotechnology
MPG102T	Advanced Pharmacognosy	MPG102T	Advanced Pharmacognosy-II
MPG103T	Phytochemistry	MPG203T	Indian system of medicine
MPG104T	Industrial Pharmacognostical Technology	MPG204T	Herbal cosmetics
MPG105P	Pharmacognosy Practical I	MPG205P	Pharmacognosy Practical II
-	Seminar/Assignment	-	Seminar/Assignment
M. Pharm. (Pharmaceutical Analysis)			
Paper	Semester -I	Paper	Semester -II
MPA101T	Modern Pharmaceutical Analytical Techniques	MPA201T	Advanced Instrumental Analysis
MPA102T	Advanced Pharmaceutical Analysis	MPA202T	Modern Bio-Analytical Techniques
MPA103T	Pharmaceutical Validation	MPA203T	Quality Control and Quality Assurance
MPA104T	Food Analysis	MPA204T	Herbal and Cosmetic Analysis
MPA105P	Pharmaceutical Analysis Practical I	MPA205P	Pharmaceutical Analysis Practical II
-	Seminar/Assignment	-	Seminar/Assignment
M. Pharm. (Pharmaceutical Quality Assurance)			
Paper	Semester -I	Paper	Semester -II
MQA101T	Modern Pharmaceutical Analytical Techniques	MQA201T	Hazards and Safety Management
MQA102T	Quality Management System	MQA202T	Pharmaceutical Validation
MQA103T	Quality Control and Quality Assurance	MQA203T	Audits and Regulatory Compliance
MQA104T	Product Development and Technology Transfer	MQA204T	Pharmaceutical Manufacturing Technology
MQA105P	Pharmaceutical Quality Assurance Practical I	MQA205P	Pharmaceutical Quality Assurance Practical II
-	Seminar/Assignment	-	Seminar/Assignment
Course of study for M. Pharm. III Semester (Common for All Specializations)		Course of study for M. Pharm. IV Semester (Common for All Specializations)	
MRM301T	Research Methodology and Biostatistics	Journal club	Discussion / Presentation
	Journal club	Research Work, thesis and viva-voce	
	Discussion / Presentation (Proposal Presentation)		
	Research Work		

Thrust Areas

Facilities are available for advanced research in Pharmaceutics, Pharmaceutical Chemistry, Pharmacognosy and Pharmacology.

Some of the thrust areas include, search for new chemical entities (synthetic/semi-synthetic/natural), QbD-based development of novel and nanostructured drug delivery systems, advanced pharmacokinetic modeling, crystal engineering of active biomolecules, advanced pharmacological studies related to drug discovery and development, herbal drug standardization and development of novel herbal formulations.

Placement

The quality and productivity of the trained and skilled human resources by the UIPS has been ranked as par excellence in the country. A placement cell has been created under the banner of Panjab University Pharmaceutical Society (PUPS) to provide better job opportunities to our trained students. Recruitment of the students by various industries and academic institutes is carried out through campus interviews. The Institute's students have been placed in various industries located in different parts of the country. The most common recruiters are Ranbaxy, Procter & Gamble, Dr. Reddy's, IPCA, Novarties, Mylan, Abbott, Zydus-Cadila, Sun Pharma, Panacea Biotec, Dabur, Nicholas-Piramal, Ind-Swift, Heron, Quantum Solutions, Jubilant Pharma, E-valueserve, and the likes.

Alumni Relations

More than 1375 graduates, over 1068 postgraduates and 230 Ph.Ds are the proud alumni of the Institute. Several of these alumni adorn prestigious professionals positions in industry, research and academic institutes across the globe including US, Canada and Europe. The UIPS holds an alumni meet every year and acts as an interface for a viable alumni network.

X. FACULTY OF SCIENCE

DEPARTMENT OF ANTHROPOLOGY

The Department was established in 1960. During the last more than five decades, the Department has not only grown in terms of personnel, equipment and laboratories, and library, it has contributed significantly to the furtherance of anthropological teaching and research in the country.

Infrastructure and Laboratory facilities for teaching and research are available in Anthropology, Osteology, Serology and Bio-chemical Anthropology, Palaeoanthropology and Prehistoric Archaeology, Socio-Cultural Anthropology, Dermatoglyphics, Forensic Anthropology, Molecular Anthropology, Anatomy and Instrumentation Laboratory. The unique 'Museum of Man' in the Department has a Gallery of Fossil Apes, Primates and Man which includes life-size models, and an Ethnographic Gallery which includes items of material culture. Fieldwork is organized by the Department where students are given instructions in the field and research methods and based on empirical work they write progress reports. The Department was recognized as one of the centers under U.G.C. Programme of Special Assistance and Departmental Research Support in 1988, this programme has been extended up to 2009.

The Department has also been selected for support under UGC assistance for strengthening of the infrastructure of the Humanities & Social Science (ASIHSS) Programme in Anthropology for a period of five years i.e. 1.4.2005 - 31.3.2010. From 2010-2011, the Department has been granted FIST- DST and is also a UGC Centre for Advanced Studies (CAS) in Anthropology (2011-2016). The Department has been awarded CAS-II in a recent meeting held in the UGC office. The Department has been awarded CAS-II in a recent meeting held in the UGC Office and a letter was finally received at the end of 2018.

FACULTY

Designation	Name	Field of Research Specialization
Professors	A.K.Sinha Abhik Ghosh	Social Anthropology Social Anthropology
Associate Professor	Kewal Krishan (Chairperson)	Physical Anthropology
Assistant Professors	Maninder Kaur Ramesh Sahani Jagmahender Singh	Physical Anthropology Physical Anthropology Physical Anthropology
Assistant Professor -cum- Curator	Gayathiri Pathmanathan	Physical Anthropology

COURSES OFFERED: (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.Sc. (Hons.) under the framework of Honours School System	30+4 NRI +2 Foreign National	3 years	Passed 10+2 class with 50% marks with English, Physics, Chemistry, Mathematics/ Biology from recognized Board/CBSE	Based on PU-CET (UG) Academics: 25% PU-CET (UG): 75%
M.Sc. (Anthropology) under the framework of Honours School System	23+3 NRI +1 Foreign National	2 years	B.Sc. (Hons. School) Anthropology, OR B.A./B.Sc. with 50 % from P.U., or any other recognized University OR B.Sc. (Hons.) in any subject under CBCS with 24 Credits in Anthropology as Generic Elective subject	Based on Merit
Diploma in Forensic Science & Criminology	20+2**+2NRI +1 Foreign National	1 year	(a) Bachelor's Degree of P.U. subject to having +2 with Science or any equivalent exam. OR (b) An equivalent examination of any other University recognized by Syndicate as equivalent to (a) above with 50 % Marks	Based on Merit
Ph.D.	Subject to availability	3-6 Years	See M. Phil/ Ph.D. Prospectus 2019	

*5 % Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

** For Govt. Sponsored in service Police Personnel

TITLES OF SYLLABI: (Detailed syllabus available at <http://puchd.ac.in/syllabus.php>)

B.Sc. (Hons.) (Under CBCS system)

Semester -I	Semester -II
Core Subject: (Theory & Practical) ANTH-C1: Introduction to Biological Anthropology ANTH-C2: Introduction to Socio-cultural Anthropology ANTH-AECC1: English	(Theory & Practical) ANTH-C3: Archaeological Anthropology ANTH-C4: Fundamentals of Human Origins & Evolution ANTH-AECC2: Environmental Science
Semester -III	Semester -IV
(Theory & Practical) ANTH-C5: Tribes and Peasants in India ANTH-C6: Human Ecology: Biological & Cultural Dimensions ANTH-C7: Biological Diversity in Human Populations General Elective:	(Theory & Practical) ANTH-C8: Theories of Culture and Society ANTH-C9: Human Growth and Development ANTH-C10: Research Methods
Semester -I	Semester -II
(Theory & Practical) ANTH-GE-1: Introduction to Anthropology	ANTH-GE-2: Biological Anthropology
Semester -III	Semester -IV
ANTH-GE-5: Fundamental of Palaeoanthropology	ANTH-GE-6: Human Growth & Human Genetics
Semester -V	Semester -VI
(Theory & Practical) ANTH-C11: Human Population Genetics ANTH-C12: Anthropology in Practice ANTH- DSE-1: Human Genetics ANTH- DSE-2: Physiological Anthropology SEC-I : Skill Enhancement Course M.Sc. (Hons.)	(Theory & Practical) ANTH-C13: Forensic Anthropology ANTH-C14: Anthropology of India ANTH- DSE-3: Paleoanthropology ANTH- DSE-4: Tribal Cultures of India SEC-II : Skill Enhancement Course Paper No. Titles
Semester -I	Semester -II
ANTH-C101: Archaeological Anthropology ANTH-C102: Biological Anthropology ANTH-C103: Social Cultural Anthropology DSE-2: Medical Anthropology OR DSE-15: Human Growth, Development and Nutrition SEC-I : Field Methodology	ANTH-C201: Anthropological Methods & Techniques ANTH-C202: Museum Studies ANTH-203: Human Genetics DSE-4: Fieldwork Methods and Techniques OR DSE-7: Principles and Methods in Prehistoric Archaeology SEC-2; Anthropology of SIA
Semester -III	Semester -IV
ANTH-C301: Anthropological Theories ANTH-C302: Human Ecology and Adaptation ANTH-C303: Anthropology of India	ANTH-C401: Demography and Biostatistics ANTH-C402: Applied Anthropology ANTH-403: Dissertation and viva-voce

DSE-5: Human Biological Variation OR DSE-11: : Symbolic Anthropology SEC-3 : Documentation of Intangible Cultural Heritage Diploma in Forensic Science & Criminology Paper No. Titles	DSE-20: Forensic Anthropology
Semester -I	Semester -II
DFSc 1.1 Fundamentals of Forensic Science-I DFSc 1.2 Forensic Anthropology-I DFSc 1.3 Forensic Physical Sciences-I DFSc 1.4 Criminology and Criminal Law-I DFSc 1.5 Practical in Forensic Science-I	DFSc 2.1 Fundamentals of Forensic Science-II DFSc 2.2 Forensic Anthropology-II DFSc 2.3 Forensic Physical Sciences-II DFSc 2.4 Criminology and Criminal Law-II DFSc 2.5 Practical in Forensic Science-II

THRUST AREAS: Palaeoanthropology and Molecular Anthropology; Human Ecology in North- West India: Continuity & Change; and Bio-cultural Correlates of Health and Disease.

PLACEMENTS: Our students have worked for companies like Boeing and Nokia. They have worked as Director of Forensic Science Institute & ICMR and leading Departments in PGIMER & GMCH-32, Chandigarh. Many have gone aboard and are working in premier institutes and universities there. We are attempting to contact other organizations where high level placements may be provided in the future. We are attempting to get our students placed through individuals efforts and through the University Placement Cell. During the last one year, our students received employment as Assistant Professors in the Universities and Institutions; Research Officer in Tribal Development (H.P.), Assistant Anthropologist in Anthropological Survey of India; Research Officer in Indira Gandhi National Centre for the Arts. Our three students have been admitted in advanced Masters' courses in USA/Canada on the basis of their postgraduation in Anthropology from this Department.

ALUMNI ASSOCIATION: We have an Alumni Association, though in a very nascent stage. Prestigious alumni sometimes come to the Department and at that point an interaction is organized with the faculty and students. The last such interaction was with Dr. Sarabjit Mastana, of Loughborough University, U.K. and Mr. Sandeep Sharma on 3-2-2017. Dr. Sarabjit Mastana also addressed the Department on 12-02-2019. Some years prior to this, the alumni association has held a get-together. The funding for such future meeting are being sought after.

DEPARTMENT OF BIOCHEMISTRY

About the Department

Department of Biochemistry was started in 1962 and has grown steadily and is now recognized as an important centre of research and teaching in the country. Our teaching oriented Department provides many opportunities for prospective students who can acquire thorough training and degree in contemporary Biochemistry through our honors program: B.Sc., M.Sc. and Ph.D. Our Department attracts the best students and provides an excellent foundation for future, be it in research, academics or industry.

The department has qualified, regular and competent faculty with Ph.D. from various institutes of national and international repute. The faculty members of the department are engaged in the research in the areas of Biosensors, Cancer Biology, Industrial biotechnology, Immunology, Membrane Biology, Microbial Biochemistry and Stress response, Neurobiology (fields in the order of Alphabets). The Department is recognized for funding under the Special Assistance Programme of the University Grant Commission. The Department has several sophisticated instruments such as GC-MS, High Speed Centrifuges, UV-Vis Spectrophotometers, Thermocycler, Gel-Doc, Lyophiliser, Spectrofluorimeter, HPLC, Ultracentrifuge and flowcytometer for enhancing research facilities.

The opportunities for Ph.D. are varied and designed to provide solid training as an independent and research scientist, both, in academic as well as industrial settings. Our alumni occupy important positions in India and abroad.

Faculty

Designation	Name	Field of Research Specialization
Emeritus Profesor Professors	Akhtar Mahmood	Membrane Transport
	Archana Bhatnagar (Chairperson)	Immunology
Associate Professors	Rajat Sandhir	Neurochemistry
	Sukesh Chander Sharma	Stress Biochemistry
	Navneet Agnihotri	Cancer Biology
Assistant Professors	Amarjit S. Naura	Lung & Molecular Immunology
	Dipti Sareen	Microbial Biochemistry
	Nirmal Prabhakar	Analytical Biochemistry

Courses offered (Semester System)

Course	Seats	Duration	Eligibility/Admission Criteria
B.Sc. (Hons.) under the framework of Honours School System	30+4NRI+2 Foreign National	3 Years	Through P.U. -CET-(U.G.) 2019 and as per university rules
M.Sc. (Biochemistry) under the framework of Honours School System	30+4NRI+2 Foreign National	2 Years	(a) B.Sc. (Hons.) Biochemistry or its equivalent exam. (b) B.Sc. (Hons.) in any subject under CBCS with 24 Credits in Biochemistry as Generic Elective subject (c) 50% marks in B.Sc. (Pass or Hons.) exam. of the P.U. or any other exam. recognized by P.U. as equivalent to Biochemistry as one of the elective subjects + P.U. - CET (P.G.)
Ph.D.	Subject to availability	3-6 years	See M. Phil/ Ph.D. Prospectus 2019

* After admitting all the ongoing students of B.Sc. (H.S.) 3rd year, vacant seats will be filled with candidates on the basis of entrance Test-PU-CET (PG). Students who have studied Biochemistry as an elective subject for three years are eligible for seeking admission. Student of B.Sc. (MLT) departments are not eligible.

Title of Syllabi: B.Sc. (Hons.) www.puchd.ac.in/syllabus.php

COURSE STRUCTURE (2019-20)

Semester -I		Semester -II	
C1	BCH-C1: Biomolecules	C3	MIL-C3: General Microbiology
C2	BPH-C2: Cell Biology	C4	BTC-C4: Molecular Biology
AECC1	BCH-AECC1: English	AECC2	BCH: AECC2: Environmental Science
GE1*		GE2*	
Four core courses will run simultaneously in both semesters in the 1st year under PU-IBMSER.			
Semester -III		Semester -IV	
C5	BCH-C5: Carbohydrates: Structure & Metabolism	C8	BCH-C8: Lipids: Structure & Metabolism
C6	BCH-C6: Nitrogenous Compounds: Structure & Metabolism I	C9	BCH-C9: Nitrogenous Compounds: Structure & Metabolism II
C7	BCH-C7: Membrane Biology & Bioenergetics	C10	BCH-C10: Enzymes & Enzyme Kinetics
SEC1**		SEC2**	
GE3*		GE4*	
Semester -V		Semester -VI	
C11	BCH-C11: Immunology	C13	BCH-C13: Endocrinology
C12	BCH-C12: Molecular Biology: From Genes to Proteins	C14	BCH-C14: Regulation of Gene Expression & Development
DSE1#		DSE3#	
DSE2#		DSE4#	

C: Core Courses; GE: Generic Elective; AECC: Ability Enhancement Compulsory Courses; SEC: Skill Enhancement Courses; DSE: Discipline Specific Elective.

*: GE subjects are to be selected by the students from the pool of GE Subjects offered by various Departments of the University.

****SKILL ENHANCEMENT COURSES (any one per semester in semesters 3-4)**

1. BCH-SEC1: Tools and techniques in Biochemistry
2. BCH-SEC2: Protein purification Techniques
3. BCH-SEC3: Introduction to Biomedical Lab Diagnostics
4. BCH-SEC4: Bioinformatics
5. BCH- SEC5: Recombinant DNA Technology

#DISCIPLINE SPECIFIC ELECTIVE COURSES (any two per semester in semesters 5-6)

1. BCH-DSE1: Physiological Biochemistry / Microbial Biochemistry
2. BCH-DSE2: Plant Biochemistry / Molecular Basis of Non-Infectious Human Diseases
3. BCH-DSE3: Neurobiology / Molecular Basis of Infectious Diseases
4. BCH-DSE4: Nutritional Biochemistry / Cancer Biology

** and #Courses under these will be offered only if a minimum of 10 students opt for the same.

GENERIC ELECTIVE SUBJECTS (Offered by Biochemistry Department) for students of other departments

1. BCH-C-GE1: Biochemistry of Cell
2. BCH-C-GE2: Proteins and Biomembranes
3. BCH-C-GE3: Enzymes and Bioenergetics
4. BCH-C-GE4: Intermediary Metabolism

Title of Syllabi: M.Sc.

COURSE STRUCTURE (2019-20)

Semester -I		Semester -II	
1.	Application of Biochemistry to Biotechnology	1.	Advanced Enzymology
2.	Clinical Biochemistry	2.	Medicinal Biochemistry
3.	Biochemical Toxicology	3.	Industrial Biochemistry
4.	Molecular Cell Biology	4.	Molecular & Cellular Immunology
5.	Practical	5.	Practical
Semester -III		Semester -IV	
1.	Genomics and Bioinformatics	1.	Dissertation
2.	Computational Techniques & Biostatistics	2.	Seminar
3.	Comprehensive Examination	3.	Current Topics in Biochemistry
4.	Journal Club		
5.	Practical		

THRUST AREAS: Research in the department covers a spectrum of topics in modern Biochemistry. These are (i) Analyzing diseases at cellular and molecular level such as: Autoimmune diseases, Cancers, Central nervous system disorders, etc. (ii) Assessing natural products as therapeutics (iii) Biochemical Toxicology (iv) Biosensors in diagnostics (v) Microbial Biochemistry (vi) Stress Biochemistry using yeast model.

PLACEMENTS: As a scientific discipline, biochemistry lies at the interface between biology, chemistry, pharmacology & medicine. This opens up a variety of career paths such as: Bioanalyst, R & D researcher, Ph.D. programs at premier institutes of India and abroad, teacher, scientist, food & drug analyst, pharmaceutical industry, etc.

ALUMNI RELATIONS: The alumni network of the department is well connected and is growing stronger every year. The members are spread both nationally and internationally. Their contributions have been acknowledged by various organizations and institutions. The department organizes Alumni meet so the current students can interact with their seniors and learn from them.

DEPARTMENT OF BIOPHYSICS**About the Department :**

Biophysics has in recent times emerged as an important interdisciplinary subject in Life Science and primarily deals with the structure, bioenergetics, dynamics and function of the biomolecules. Over the years, the discipline of biophysics has played a significant role in the growth of critical areas, which include molecular biophysics, physiological biophysics, medical physics, radiation physics, gene and protein engineering, Computational Biophysics, neuro degenerative disorders and membrane biophysics. Advances in these areas have paved newer initiatives for the designing and development of drugs and medical technologies.

The Department of Biophysics was established in 1964 and ever since is the only department in the country. which offers

both undergraduate and postgraduate courses in the discipline of Biophysics (Hons.). The department also offers excellent research opportunities leading to the award of Ph.D. degree. The courses being offered to the three year B.Sc.(Hons.) and two year M.Sc. students in Biophysics are planned in a way, so as to provide a broad base in the subject and are accepted in the diverse fields of biomedical sciences. Alumni from this department have been always suitably employed and many of them have occupied coveted positions in the academia, industry, medical institutions, national laboratories and prestigious research institutions in India and abroad.

The department has been given special assistance grants under UGC-SAP program, Phase DSA-I from April 2015-2020. The department is also recognized under DST-FIST Programme. In addition the Department is availing DST PURSE Grant on a regular basis. For more details see the website <http://biophysics.puchd.ac.in>

FACULTY

Designation	Names	Field of Research Specialization
Prof. Emeritus	G.S. Gupta	Proteomics and Cancer-Testis Antigens
Emeritus Scientist (UGC)	F.S. Nandel	Computational Biophysics
Emeritus Medical Scientist (ICMR)	S.N.Sanyal	Cancer Cell and Molecular Biology
Prof. Re-employed Professors	Bimla Nehru D.K. Dhawan M.L. Garg	Neurobiology Nuclear Medicine and Radiation Biophysics Spectroscopic & Computational Studies of metalloproteins, Biomedical Instrumentation
Assistant Professors	Ashwani Koul Sarvnrinder Kaur (Chairperson) Avneet Saini Tanzeer Kaur Pavitra Ranawat Simran Preet Naveen Kaushal Ravi Pratap Barnwal (UGC-FRP) Neha Singla (Inspire Faculty)	Phytomedicine & Carcinogenesis Phytomedicine & Carcinogenesis, Reproductive Biology Structural & Computational Biophysics of peptides Proteomics of Pathological Calcification Molecular Cell Physiology of Cancer Anti Microbial and anti cancer peptides Cell Biology & Molecular Immunology Structural insights into proteinprotein complexes, protein RNA complexes, microRNA and noncoding (nc) RNA using solution state NMR spectroscopy Neuroscience Toxicology

Courses offered (Semester System)

Course	Seats	Duration	Eligibility	Admission Criteria
B.Sc.(Hons.) under the framework of Honours School System	25 +4 NRI +1 Foreign National	3 years	A candidate should have passed 10+2 examination with at least 50 % marks (45 % marks in case of SC/ST) with English, Physics, Chemistry, Mathematics / Biology. Common Entrance Test conducted by the Panjab University	Based on CET (UG) Academic : 25% PU-CET (UG): 75%
M.Sc. Biophysics under the framework of Honours School System	25+4 NRI +1 Foreign National	2 years	(i) B.Sc. (Hons.) Biophysics, Panjab University, Chandigarh or any other University considered equivalent. (ii) Bachelor of Science in any other subject (such as B.Sc. Medical, Non-medical, Biotechnology, Bioinformatics etc.) (iii) B.Sc. (Hons.) in any subject under CBCS with 24 Credits in Biophysics as Generic Elective subject (iv) Students who have passed B.Sc. (Hons.) in Biophysics from Panjab University, Chandigarh will be directly promoted to M.Sc. in Biophysics. However, all other applicants need to qualify the CET-PG in Biophysics conducted by the Panjab University, Chandigarh	Based on CET (PG) Academic : 60% PU-CET (PG): 40%

Ph.D.	48	3-5 years	Candidates with M.Sc. in any discipline of sciences who have cleared the all India level test such as UGC/CSIR or ICMR, GATE etc. or the Ph.D. entrance examination in the subject of Biophysics conducted by Panjab University are eligible to be enrolled in the Biophysics for Ph.D. Or M.Tech Biotechnology after clearing all India Entrance Examinations such as NET, ICMR, GATE etc. or the Ph.D. entrance examination of Biophysics Panjab University should be allowed for the registration of Ph.D.
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Titles of Syllabi (Detailed syllabus available at www.puchd.ac.in/syllabus.php)

COURSE STRUCTURE

Semester -I		Semester -II	
C1	BCH-C1: Biomolecules	C3	MIC-C3: General Microbiology
C2	BPH-C2: Cell Biology	C4	BTC-C4: Molecular Biology
AECC1	BPH-AECC1: English	AECC2	BPH-AECC2: Environmental Science
GE1*		GE3*	
GE2*		GE4*	
Semester -III		Semester -IV	
C5	BPH-C5: Physics Of The Human Body	C8	BPH-C8: Human Physiology and Anatomy II
C6	BPH-C6: Physicochemical Techniques	C9	BPH-C9: Biophysical Chemistry
C7	BPH-C7: Human Physiology And Anatomy I	C10	BPH-C10: Radiation And Biomedical Instrumentation
SEC 1		SEC 2	
GE5*		GE6*	
Semester -V		Semester -VI	
C11	BCH-C11: Radiation Biophysics	C13	BPH-C13: Gene And Protein Engineering
C12	BPH-C12: Bioinformatics And Computational Biology	C14	BTC-C14: Molecular Biophysics
DSE1		DSE3	
DSE2		DSE4	
C: Core Courses; GE: General Elective; AECC: Ability Enhancement Compulsory Courses; SEC: Skill Enhancement Courses; DSE: Discipline Specific Elective			
ELECTIVE/GENERAL ELECTIVE:			
GENERIC ELECTIVE SUBJECTS (Offered by Biophysics Department) for students of other departments			
Semester -I		Semester -II	
BPH-GE1: Physicochemical Techniques BPH-GE2: Human Physiology and Anatomy		BPH-GE3: Radiation Biophysics BPH-GE4: Biomedical Instrumentation	
Semester -III		Semester -IV	
BPH-GE5: Molecular Biophysics		BPH-GE6: Bioinformatics and Computational Biology	
SKILL ENHANCEMENT COURSES (any one per semester in semesters 3-4) for students of biophysics department			
Semester -III		Semester -IV	
BPH-SEC1: Biophysics : Industrial and Clinical Applications BPH-SEC2: Human Genetics and its Applications		BPH-SEC3: Sports Medicine BPH-SEC4: Soft Skills Development	

DISCIPLINE SPECIFIC ELECTIVE COURSES (any two per semester in semesters 5-6) for students of biophysics department.

Semester -III	Semester -IV
BPH-DSE1: Biomolecular Spectroscopy BPH-DSE2: Biomedical Imaging BPH-DSE3: Advanced Microscopy BPH-DSE4: Biomaterials	BPH-DSE5: Neuro Biophysics BPH-DSE6: Gene Organization and regulation BPH-DSE7: Immunology BPH-DSE8 : Cell and Tissue culture Techniques

M.Sc

Course Structure

SEMESTER I

Compulsory Core Courses

Course	Paper
MBPH-TH-C1	Molecular Basis of Gene and Protein Engineering
MBPH-TH-C2	Methods in High Throughput Biology
MBPH-TH-C3	Bio-molecular Spectroscopy
MBPH-PR-C1	Molecular Basis of Gene and Protein Engineering
MBPH-PR-C2	Methods in High Throughput Biology
MBPH-PR-C3	Bio-molecular Spectroscopy
MBPH-TH-C4	Advanced Topics in Biophysics
TOTAL	
SEMESTER II	
MBPH-TH-C5	Cell and Membrane Biophysics
MBPH-TH-C6	Medical Physics
MBPH-TH-C7	Programming and Statistical Data Analysis
MBPH-PR-C5	Cell and Membrane Biophysics
MBPH-PR-C6	Medical Physics
MBPH-PR-C7	Programming and Statistical Data Analysis
MBPH-PR-C4	Research Laboratory Rotation
TOTAL	
SEMESTER III	
MBPH-TW-C9	Thesis Work-Part I
MBPH-TH-C8	Comprehension of the NET syllabus for Life Sciences

Discipline Specific Elective Courses (Select any two Courses)@

MBPH-DSE1	Radiation Biophysics*
MBPH-DSE2	Physicochemical Techniques*
MBPH-DSE3	Human Physiology and Anatomy*
MBPH-DSE4	Molecular Biology*
MBPH-DSE5	Physics of Human Body*
MBPH-DSE6	Biophysical Chemistry*
MBPH-DSE7	Neurobiophysics#
MBPH-DSE8	Advanced Microscopy#
MBPH-DSE9	Nanobiophysics
MBPH-DSE10	Principles of radiation Protection and Radiation Safety
MBPH-DSE11	Molecular Modeling and Computer Aided Drug Design
MBPH-DSE12	Cancer Biology
Generic Elective Courses (Select any one Course)	
MBPH-GE1 [§]	
MBPH-GE2 [§]	
MBPH-MOOC1 ^{^^}	Bio organic and Biophysical Chemistry

MBPH-MOOC2^^	Biomolecules: Structure, function in Health and Disease
MBPH-MOOC3^^	Biostatistics
TOTAL	

@Discipline Elective Courses will be offered only if a minimum 7 seven students opt for it and also on the availability of the faculty. * only for students who have taken admission directly in M.Sc. Biophysics program of P.U. (without doing B.Sc. Biophysics from P.U.). # for students who have not studied this subject in B.Sc. V or VI semester. \$ Student may opt for any one of the Generic Elective Courses studied in M.Sc. offered by the Science Departments (other than the Biophysics department) of Panjab University. The course must be approved by the Academic Committee of the department followed by its approval by BOC.

^^ A course under the code MBPH-MOOC1-3 can be selected from the available UGC MOOCs Courses: A Vertical of SWAYAM-Inflibnet. The course must be approved by the Academic Committee of the department followed by its approval by BOC.

SEMESTER IV

Course	Paper
Compulsory Core Courses	
MBPH-TH-C10	Nobel Prize Winning Studies
Discipline Specific Elective (Select any One Course**)	
MBPH-TW1	Radiation Biophysics
MBPH-TW2	Biomedical Instrumentation and Molecular Spectroscopy
MBPH-TW3	Cancer Biology
MBPH-TW4	Phytomedicine and Molecular Biology
MBPH-TW5	Computational Biophysics and Biophysical Chemistry
MBPH-TW6	Pathological Calcification and Toxicology
MBPH-TW7	Phytomedicine
MBPH-TW8	Anticancer Peptides and Cancer Biology
MBPH-TW9	Cell and Molecular Immunology
MBPH-TW10	Structural Biology, Protein and RNA Biogenesis
TOTAL	

** Allotment shall be on merit basis of the result of Semester I and II. Thesis must be submitted by 31st July of every academic year, failing which it shall be counted as Re-appear.

THRUST AREAS: Cancer Biology, Neuro-biophysics and Drug Discovery.

PLACEMENT: In recent years the alumni are placed as faculty/scientists in institutions such as sports authority of India, Medical colleges in North India, Universities. Besides many students have been placed as teachers in Govt. schools.

Few students every year get opportunity to join Ph.D courses in Europe, America and Australia etc. after fulfilling admission criterion of these institutions. Many students after clearing the NET/GATE examinations and obtaining inspire fellowships join the national institutions like IISER, IIT, PGIMER, CSIO and Panjab University.

Few students have recently joined Pharma-co-vigilance corporate sector like Parexel International (Formally quantum solutions), TCS (Tata Consultancy services), Spectra force. Some students have chosen to be entrepreneur and have started their own start up.

ALUMNI RELATIONS:

Department keeps constant contact with its alumni whether in India or abroad. Whenever, they visit the department there is always an interaction with faculty and students. Prior to their visit, most of the alumnus informs the department about their visit and if the alumni are active in academia/research then the dept. plans their lecture or informal interaction with the students. The alumni also help in placement of the students in academia and research.

The Department holds alumni meets at regular intervals.

DEPARTMENT OF BIOTECHNOLOGY

ABOUT THE DEPARTMENT

The Department came into existence as Centre in 1989. In 1993 after obtaining financial aid from UGC and DBT, Govt. of India, it was upgraded to the level of full-fledged Department. The Department is rated as one of the best in India for

imparting state of art technology to the students in the field of biotechnology. Most of the students qualify UGC and CSIR entrance test in their first attempt and are admitted to Ph.D. programs in prestigious research institutions in India. Most of the faculty members have been trained abroad and are recipient of prestigious National and International awards. The faculty of the department publishes research papers in National and International journals on regular basis. Every year department organizes Workshop/Symposium/Seminar dealing with state of art technologies. Department also organizes a seminar on "Recent Techniques in Biotechnology" for B.Sc. and M.Sc. students on regular basis. Scientists of international repute are invited to deliver lectures. The department has the distinction of being funded by DST-FIST (2002-07; 2011-16) and UGC-SAP (2007-12; 2013-18).

FACULTY

Designation	Name	Field of Research specialization
Professor Emeritus	R.C. Sobti	Molecular Diagnosis of Cancer
Professors	Jagdeep Kaur	Enzymology/Protein Engineering, Cancer Biology
	Neena Capalash	Microbial Biotechnology & Cancer Biology
	Jagtar Singh (Chairperson)	Immunology & Molecular Epidemiology, Animal Biotechnology
	Desh Deepak Singh	Bioinformatics and Structural Biology
Associate Professor	Kashmir Singh	Plant Biotechnology

COURSES OFFERED (Semester System)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.Sc. (Hons.) under the framework of Honours School System	15 General+1 2 (NRI)	3 Years	50% marks in 10+2 or equivalent examination with the subjects English, Physics, Chemistry, Mathematics, Biology.	On the basis of PU-CET(UG) PU-CET(UG) : 75% Academics : 25%
M.Sc. (Biotechnology) under the framework of Honours School System	Ongoing Class	2 Years	For ongoing class: Passed B.Sc. (Hons) Biotechnology from Panjab University	Ongoing Class
	5 General+2 SC +2 NRI		B.Sc. Biotechnology with 50% marks/ B.Sc. with 50% marks with Biotechnology as elective /vocational subject (Studied for 3 years) are eligible OR B.Sc. (Hons.) in any subject under CBCS with 24 Credits in Biotechnology as Generic Elective subject	Based on PU-CET(PG) Academics: 40% PU-CET(PG) : 60%
Ph.D.	Subject to availability of seats	3-6 years	See M.Phil/Ph.D. Prospectus 2019	(i) Candidates who have cleared UGC-NET/CSIR NET)/ Examination/SLET/ Teacher Fellowship holders/ direct awardees of fellowship by any national agency or any other equivalent test. (ii) Candidates who have cleared P.U. Entrance Test.

*5% Concession is admissible in eligibility requirement to SC/ST/BC/PWD candidates.

** The candidates seeking admission in M.Sc. Biotechnology should fill separate admission forms in colleges offering M.Sc. course in Biotechnology. No Centralized Counselling will be done by the Department.

Titles of Syllabi 2019-20 : B.Sc. (Hons.) Biotechnology under CBCS (<http://puchd.ac.in/syllabus.php>):

B.Sc. (Hons.)

Semester-I		Semester-II	
Paper-1	General Microbiology	Paper-1	Biomolecules
Paper-2	Molecular Biology	Paper-2	Cell Biology
Paper-3	English	Paper-3	Environment Education
Paper-4	Generic Elective 1	Paper-4	Generic Elective 2
Semester-III		Semester-IV	
Paper-1	Chemistry	Paper-1	Biochemistry and Metabolism
Paper-2	Enzymology	Paper-2	Bio Analytical Tools
Paper-3	Plant Physiology	Paper-3	Bioprocess Technology
Paper-4	Skill Enhancement Course 1	Paper-4	Skill Enhancement Course 2
Paper-5	Generic Elective 3	Paper-5	Generic Elective 4
Semester-V		Semester-VI	
Paper-1	Animal Biotechnology	Paper-1	Immunology
Paper-2	Recombinant Biotechnology	Paper-2	Plant Biotechnology
Paper-3	Discipline Specific Elective 1	Paper-3	Discipline Specific Elective 3
Paper-4	Discipline Specific Elective 2	Paper-4	Discipline Specific Elective 4

Syllabus 2019-20 : M.Sc. Biotechnology under CBCS (<http://puchd.ac.in/syllabus.php>):

M.Sc.

Semester-I		Semester-II	
Paper-1	Animal Cell Culture Technology	Paper-1	Bioinformatics
Paper-2	Advanced Immunology	Paper-2	Microbial Biotechnology
Paper-3	Advanced Recombinant DNA Technology	Paper-3	Entrepreneurship Development
Paper-4	Advanced Molecular Biology	Paper-4	Scientific Writing & Project Management
Semester-III		Semester-IV	
Paper-1	Animal Biotechnology	Research Project a) Thesis b) Presentation & Viva c) Internal Assessment	
Paper-2	Plant Biotechnology		
Paper-3	Emerging Technologies		
Paper-4	*Electives (any one to be opted) Molecular Medicine		
Paper-5	Food Microbiology and Food Safety		
	Trends in Biotechnology		

Ph.D. Course work (one semester): Research Methodology, Basic & Modern Analytical Techniques in Biotechnology, Presentations.

THRUST AREAS: Molecular Epidemiology, Microbial Biotechnology, Plant Biotechnology, Recombinants, Glycobiology of Infectious Diseases.

PLACEMENTS: Faculty of the department provides career counseling to the students and helps them to choose profession of their choice. More than 50% PG students prefer to join Ph.D after clearing competitive exams (UGC/CSIR/DBT/ICMR NET etc). Few of our students are doing Ph.D in countries like US, Canada, EU etc. after completing Ph.D. students are placed in teaching/research institutes and a few go abroad for Postdoctoral fellowships. The Department provides a platform to encourage the students for joining private sector in the field of biotechnology.

ALUMNI RELATIONS: The department maintain the record of pass out students and time to time invites past students to interact with present students by conducting seminars, symposia etc.

DEPARTMENT OF BOTANY

ABOUT THE DEPARTMENT

The Department of Botany was established in 1919 at Lahore. It shifted to Chandigarh in 1960 from Khalsa College, Amritsar where it was housed temporarily after partition of the country. The Department has grown into a well recognised centre for higher learning and research in structural, functional and evolutionary aspects of plants. The department had DST-FIST programme and had completed UGC DRS-II phase. Some of the major areas of research are: taxonomy, morphology, improvement and propagation of economically important plants, ecology of invasive alien plants, physiological upgradation of harvest index of some important crops; stress biology of legumes; identification of eco-friendly herbicides and pesticides; mushroom cultivation; evaluation and conservation of plant diversity; importance of microbes in human welfare and

molecular characterization of gene families involved in development and stress responses. In addition to teaching through modern techniques, seminars, symposia, workshops, the invited lectures and botanical excursions are an integral part of academic programme. The department has a well-stocked library with nearly 6,600 books and over 60 regular scientific journals. The department also houses an internally recognised Herbarium (abbreviated as PAN) and a Museum. The P.N. Mehra Botanical Gardens, spread over 16 acres of land is one of the better-known botanical gardens attached to any university of the country. The department has been getting regular sanction for BSR fellowships under UGC-SAP (DRS-III) programme. Additionally, the UGC also sanctions funds to the department for infrastructural development from time to time. Besides this, many research projects are being funded by DST, MoEF, UGC, CSIR, DBT, SERB and MoFPI.

FACULTY

Particulars	Name	Field of Research Specialization
Honorary Professor	S.S. Chahal	Plant Pathology
Prof. Emeritus	S.C. Verma	Cytogenetics
	M.L. Sharma	Angiosperm taxonomy and grasses
	S.S. Kumar	Bryology
	S.P. Khullar	Pteridophytes
Professors	A.S. Ahluwalia	Algal diversity & Physiology
	Harsh Nayyar	Plant Physiology
	Daizy Rani	Ecology (Eco-Physiology)
	C. Nirmala	Cytogenetics, Molecular Biology and Biotechnology
	P. Pathak	Morphology and Morphogenesis
	Sunita Kapila (Chairperson)	Bryology
	I.B. Prasher	Mycology and Plant Pathology
	(Mrs.) Richa Puri	Biosystematics & Seed Physiology
	Neera Garg	Plant Physiology
	Kamaljit Singh	Plant Physiology and Biochemistry
M.C. Sidhu	Cytogenetics/Plant Breeding	
Associate Professor	Anju Rao	Plant Morphogenesis
Assistant Professors	A.N. Singh	Ecology
	Shalinder Kaur	Eco-physiology
	Santosh K. Upadhyay	Molecular Biology and Insecticides Proteins
	Jaspreet Kaur	Tissue Culture and Molecular Biology
	Papiya Mukherjee	Cryo-Biology and Molecular Biology

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.Sc. (Hons.) under the framework of Honours School System	20+3NRI +1 Foreign National	3 Years	10+2 examination with atleast 50% marks with Physics, Chemistry, Biology and English from recognized Board/CBSE	Based on PU-CET(UG) Academics: 25% PU-CET(UG):75%
M.Sc. (Botany) under the framework of Honours School System	25+4 NRI +1 Foreign National	2 Years	B.Sc. (Hons.) OR (Pass or Hons.) with 50% marks from P.U. or any other recognised University or any other exam as equivalent thereto with Botany as one of the elective subject OR B.Sc. (Hons.) in any subject under CBCS with 24 Credits in Botany as Generic Elective subject	Based on P.U.CET(PG) Academics: 40% PU-CET(PG):60%
M.Phil	15	1 Year	See M.Phil/Ph.D. Prospectus 2019	
Ph.D	15	3-6 Years	See M.Phil/Ph.D. Prospectus 2019	
*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates				

Titles of Syllabi: Detailed course curriculum is available (www.puchd.ac.in/syllabus.php)

B.Sc. (Honours) Semester I - VI Botany

(Under the framework of Honours School System)

Semester -I	Semester -II
BOT-C1: Phycology & Microbiology BOT-C2: Biomolecules & Cell Biology Practical C-1 Practical C-2 BOT-AECC1: English BOT-GE1: Biodiversity (Microbes, Algae, Fungi and Archegoniate) Practical GE-1	BOT-C3: Mycology & Phytopathology BOT-C4: Archegoniatates Practical C-3 Practical C-4 BOT-AECC2: Environment Science BOT-GE2: Plant Anatomy and Embryology Practical GE-2
Semester -III	Semester -IV
BOT-C5: Morphology & Anatomy BOT-C6: Economic Botany BOT-C7: Basics of Genetics Practical C-5 Practical C-6 Practical C-7 SEC-1: Biofertilizers GE-3: Economic Botany & Plant Biotechnology GE-3 Practical	BOT-C8: Molecular Biology BOT-C9: Plant Ecology & Phytogeography BOT-C10: Plant Systematics Practical C-8 Practical C-9 Practical C-10 SEC-5: Medicinal Botany GE-4: Plant Ecology and Taxonomy GE-4 Practical
Semester -V	Semester -VI
BOT-C11: Reproductive Biology of Angiosperms BOT-C12: Plant Biotechnology Practical C-11 Practical C-12 DSE-4: Plant Breeding DSE-7: Research Methodology DSE-4: Practical DSE-7: Practical M.Sc.	BOT-C13: Plant Metabolism BOT-C14: Plant Physiology Practical C-13 Practical C-14 DSE-2: Bioinformatics DSE-5: Natural Resource Management DSE-2: Practical DSE-5: Practical
Semester -I	Semester -II
BOT-Core-1001: Plant Physiology BOT-Core-1002: Principles of Ecology BOT-Core-1003: Bryology BOT-Core-1004: Pteridology BOT-Core-1005: Plant Resource Utilization and Conservation	BOT-Core-2001: Phycology BOT-Core-2002: Plant Biotechnology BOT-Core-2003: Mycology and Plant Pathology BOT-Core-2004: Genomics BOT-Core-2005: Cytogenetics and Plant Breeding
Semester -III	Semester -IV
Paper-I: Mycology Paper-II: Plant Physiology Paper-III: Plant Biochemistry Paper-IV: Molecular Biology Paper-V: Ecosystem Ecology & Forestry	Paper-I: Plant Pathology Paper-II: Biostatistics & Research Methodology Paper-III: Plant Biotechnology & Genetic Engg Paper-IV: Comprehensive Test & Field Botany Paper-V: Project & Seminar

THRUST AREAS: Phycology, Mycology, Bryology, Taxonomy, Morphology, Physiology, Cytology, Plant Biotechnology, Biochemistry and Ecology.

PLACEMENT: The department has a Placement Cell which Co-ordinates with Central Placement Cell of the University to get time to time information about the opportunities available to the students of the department.

ALUMNI RELATIONS: The department has alumni association i.e. Panjab University Botany Department Alumni Association

(PUBDAA), which has Executive Committee and several members. The department organises Alumni Meet every year to maintain contact with the alumni as well as to provide the information about the latest happenings of the department to members. Several of its alumni are highly distinguished and working in different capacities at National and International levels.

DEPARTMENT OF CHEMISTRY

ABOUT THE DEPARTMENT

Founded by Dr. S. S. Bhatnagar at Lahore in 1925, the Department of Chemistry is one of the prestigious Departments of Panjab University. It has on its faculty highly competent members whose work has been internationally recognized. Several faculty members are recipients of awards and honours, such as Shanti Swarup Bhatnagar, Jawaharlal Nehru Fellowship, Raman and Palit awards. Many faculty members are bestowed with F.N.A., F.A.Sc., F.N.A.Sc. The Department has been selected by the UGC first for COSIST and Special Assistance Programme (SAP) and it is the Centre of Advanced Studies in Chemistry (CAS) for the last 16 years. The Department of Science and Technology (DST), Government of India has accorded it the status of "DST-FIST Supported Department". The Department has stimulating undergraduate and postgraduate teaching programmes. Frequent symposia, conferences, invited lectures and refresher courses have been organized for the benefit of University, College and School teachers and talented students. The Department has good instrumental facilities and its library is perhaps one of the best in Northern India with its excellent collection of books, research journals and monographs. The Department is well-known for its research activities and has very well equipped research Laboratories.

FACULTY

Designation	Name	Field of Research Specialization	
Honorary Professor Professors Emeritus	T. Ramasami		
	S. V. Kessar	Organic	
	D. V. S. Jain	Physical	
	Gurdev Singh	Inorganic	
	D. S. Gill	Analytical	
CSIR Emeritus Scientist Professors	K. K. Bhasin	Inorganic	
	S. K. Mehta	Physical	
	P. Venugopalan	Inorganic/Analytical	
	Alok Srivastava	Physical	
	Kamal Nain Singh	Organic	
Associate Professors	(Chairperson)		
	Ganga Ram Chaudhary	Physical	
	Sonal Singhal	Inorganic	
	Navneet Kaur	Organic	
	Gurjaspreet Singh	Inorganic	
	Vikas	Physical	
	Neetu Goel	Physical	
	Assistant Professors	Amarjit Kaur	Organic
		AmanBhalla	Organic
		Navneet Kaur	Organic
Varinder Kaur		Inorganic	
Shweta Rana		Physical	
Rohit Kumar Sharma		Organic	
Ramesh Kataria		Inorganic	
Subash Chandra Sahoo		Inorganic	
Gurpreet Kaur		Physical	
Savita Chaudhary		Physical	
UGC Assistant Professors (FRP)	Deepak B. Salunke	Organic	
	Palani Natarajan	Inorganic	
	Jyoti Agarwal	Organic	
	Purshotam Sharma	Physical	
	Ankur Ganesh Pandey	Organic	
	Abhijit Dan	Physical	
	Vijay Pal Singh	Inorganic	

UGC Research Scientists 'C'
Assistant Professors
(Inspire Faculty)

Jasvinder Singh
Girijesh Kumar
Ranjan Patra
Vaneet Saini
Khushwinder Kaur

Organic
Inorganic
Inorganic
Organic
Physical

Assistant Professors
(Temporary Faculty)

COURSE OFFERED (SEMESTER SYSTEM)

Courses	Seats	Duration	Eligibility*	Admission Criteria
B.Sc. (Hons.) under the framework of Honours School System	58+8 NRI +3 Foreign National	3 Years	Passed 10+2 examination from recognized Board/CBSE with at least 50% marks with Physics, Chemistry, Mathematics, Biology and English	Based on PU-CET (UG) Academics: 25% PU-CET (UG): 75%
M.Sc. (Chemistry) under the framework of Honours School System	15+2 NRI +1 Foreign National	2 Years	i) Passed B.Sc. (Hons.) in Chemistry from department of Chemistry, P.U. (ii) (a) B.Sc. (Pass or Hons.) examination with 50% marks from PU or any other University recognized as equivalent thereto with (a) Chemistry in all the three years / six semesters and (b) any two science subjects during two years/four semesters during graduation OR (il) (b) B.Sc. (Hons.) in any subject under Choice-based Credit System with 24 Credits in Chemistry as Generic Elective Subject	Based on PU-CET (PG) Academics: 40% PU-CET (PG): 60%
Ph.D.	10	3-5 Years	See M.Phil/Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLE OF SYLLABI (Detailed Course curriculum is available at <http://puchd.ac.in/syllabus.php>)

B.Sc. (Hons.)

SEMESTER-I

CORE COURSE (CHEMISTRY)

Theory Papers		
Core Course-1 (C 1):	Inorganic Chemistry-I	100 Marks (4 credits)
Core Course-2 (C 2):	Physical Chemistry-I	100 Marks (4 credits)
Practicals		
Core Course-1 Practical (C 1 Lab):	Inorganic Chemistry-I	50 Marks (2 credits)
Core Course-2 Practical (C 1 Lab):	Physical Chemistry-I	50 Marks (2 credits)

GENERIC ELECTIVE (GE) FOR CHEMISTRY STUDENTS

Each student of Chemistry Department has to opt two Generic Elective Courses from the available options offered by different science, Mathematics, Computer Science and Economics departments. However, a student can take only one GE course from one department per semester.

ABILITY ENHANCEMENT COMPULSORY COURSE FOR CHEMISTRY STUDENTS

Each student of Chemistry Department has to opt one Ability Enhancement Compulsory Course of the following:

- (1) English Communication (2 credits)
- (2) Environmental Science (2 credits)

GENERIC ELECTIVE (CHEMISTRY)

Theory Papers:	
A student from other disciplines may opt any one of the generic electives offered by the Chemistry Departments: of Panjab University out of following;	
Generic Elective -1 (GE-1)	100 Marks (4 credits)
Generic Elective -2 (GE-2)	100 Marks (4 credits)

Practicals		
Generic Elective -1, Practical (GE-1 Lab)	50 Marks (2 credits)	
Generic Elective -2, Practical (GE-2 Lab)	50 Marks (2 credits)	
SEMESTER-II		
CORE COURSE (CHEMISTRY)		
Theory Papers		
Core Course-3 (C 3):	Inorganic Chemistry-I	100 Marks (4 credits)
Core Course-4 (C 4):	Physical Chemistry-II	100 Marks (4 credits)
Practicals		
Core Course-3 Practical (C 3 Lab):	Inorganic Chemistry-I	50 Marks (2 credits)
Core Course-2 Practical (C 4 Lab):	Physical Chemistry-II	50 Marks (2 credits)
GENERIC ELECTIVE (GE) FOR CHEMISTRY STUDENTS		
Each student of Chemistry Department has to opt one Generic Elective Course from the available options offered by different science, mathematics, computer science and economics departments. However, a student can take only one GE course from one department per semester.		
ABILITY ENHANCEMENT COMPULSORY COURSE FOR CHEMISTRY STUDENTS		
Each student of Chemistry Department has to opt one Ability Enhancement Compulsory Course of the following:		
(1)	English Communication (2 credits)	
(2)	Environmental Science (2 credits)	
GENERIC ELECTIVE (CHEMISTRY)		
Theory Papers:		
A student from other disciplines may opt any one of the generic electives offered by the Chemistry Departments: of Panjab University out of following;		
Generic Elective -3 (GE-4)	100 Marks (4 credits)	
Generic Elective -3 (GE-4)	100 Marks (4 credits)	
Practicals		
Generic Elective -3, Practical (GE-3 Lab)	50 Marks (2 credits)	
Generic Elective -4, Practical (GE-4 Lab)	50 Marks (2 credits)	
SEMESTER-III		
CORE COURSE (CHEMISTRY)		
Theory Papers		
Core Course-5 (C 5):	Inorganic Chemistry-II	100 Marks (4 credits)
Core Course-6 (C 6):	Organic Chemistry-II	100 Marks (4 credits)
Core Course-7 (C 7):	Physical Chemistry-III	100 Marks (4 credits)
Practicals		
Core Course-5 Practical (C 5 Lab):	Inorganic Chemistry-II	50 Marks (2 credits)
Core Course-6 Practical (C 6 Lab):	Organic Chemistry-II	50 Marks (2 credits)
Core Course-7 Practical (C 7 Lab):	Physical Chemistry-III	50 Marks (2 credits)
SKILL ENHANCEMENT COURSES		
Each student of Chemistry Department has to opt one Skill Enhancement Compulsory Course of the following:		
1.	CHE-SEC1: IT Skills for Chemists	50 Marks (2 credits)
2.	CHE-SEC2: Basic Analytical Chemistry	50 Marks (2 credits)
GENERIC ELECTIVE (GE) FOR CHEMISTRY STUDENTS		
Each student of Chemistry Department has to opt one Generic Elective Courses from the available options offered by different science, Mathematics, Computer Science and Economics departments. However, a student can take only one GE course from one department per semester.		

GENERIC ELECTIVE (CHEMISTRY)**Theory Papers:**

A student from other disciplines may opt any one of the generic electives offered by the Chemistry Departments: of Panjab University out of following;

Generic Elective -5 (GE-5) 100 Marks (4 credits)

Practicals

Generic Elective -5, Practical (GE-5 Lab) 50 Marks (2 credits)

SEMESTER-IV**CORE COURSE (CHEMISTRY)****Theory Papers**

Core Course-8 (C 8): Inorganic Chemistry-III 100 Marks (4 credits)

Core Course-9 (C 9): Organic Chemistry-III 100 Marks (4 credits)

Core Course-10 (C 10): Physical Chemistry-IV 100 Marks (4 credits)

Practicals

Core Course-8 Practical (C 8 Lab): Inorganic Chemistry-III 50 Marks (2 credits)

Core Course-9 Practical (C 9 Lab): Organic Chemistry-III 50 Marks (2 credits)

Core Course-10 Practical (C 10 Lab): Physical Chemistry-IV 50 Marks (2 credits)

SKILL ENHANCEMENT COURSES

Each student of Chemistry Department has to opt one Skill Enhancement Compulsory Course of the following:

1. CHE-SEC3: Analytical Clinical Biochemistry 50 Marks (2 credits)

2. CHE-SEC4: Chemical Technology & Society 50 Marks (2 credits)

2. CHE-SEC6: Chemistry of Cosmetics and Perfumes 50 Marks (2 credits)

GENERIC ELECTIVE (GE) FOR CHEMISTRY STUDENTS

Each student of Chemistry Department has to opt one Generic Elective Courses from the available options offered by different science, Mathematics, Computer Science and Economics departments. However, a student can take only one GE course from one department per semester.

GENERIC ELECTIVE (CHEMISTRY)**Theory Papers:**

A student from other disciplines may opt any one of the generic electives offered by the Chemistry Departments: of Panjab University out of following;

Generic Elective -6 Practical (GE-6) 100 Marks (4 credits)

Practicals

Generic Elective -6, Practical (GE-6 Lab) 50 Marks (2 credits)

SEMESTER-V**CORE COURSE (CHEMISTRY)****Theory Papers**

Core Course-11 (C 11): Organic Chemistry-IV 100 Marks (4 credits)

Core Course-12 (C 12): Physical Chemistry-V 100 Marks (4 credits)

Practicals

Core Course-11 Practical (C 11 Lab): Organic Chemistry-IV 50 Marks (2 credits)

Core Course-12 Practical (C 12 Lab): Physical Chemistry-V 50 Marks (2 credits)

Theory Papers

CHE-DSE 1: Green Chemistry 100 Marks (4 credits)

CHE-DSE 2: Analytical Methods in Chemistry 100 Marks (4 credits)

CHE-DSE 3: Inorganic Materials of Industrial Importance 100 Marks (4 credits)

CHE-DSE 4: Polymer Chemistry 100 Marks (4 credits)

Practicals

CHE-DSE 1:	Green Chemistry	100 Marks (4 credits)
CHE-DSE 2:	Analytical Methods in Chemistry	100 Marks (4 credits)
CHE-DSE 3:	Inorganic Materials of Industrial Importance	100 Marks (4 credits)
CHE-DSE 4:	Polymer Chemistry	100 Marks (4 credits)

SEMESTER-VI**CORE COURSE (CHEMISTRY)****Theory Papers**

Core Course-13 (C 13):	Inorganic Chemistry-IV	100 Marks (4 credits)
Core Course-14 (C 14):	Organic Chemistry-V	100 Marks (4 credits)

Practicals

Core Course-13 Practical (C 13 Lab):	Inorganic Chemistry-IV	50 Marks (2 credits)
Core Course-14 Practical (C 14 Lab):	Organic Chemistry-V	50 Marks (2 credits)

DISCIPLINE SPECIFIC ELECTIVE COURSE

Each student of Chemistry Department has to opt for two Discipline Specific Elective Course of the following:

Theory Papers

CHE-DSE 5:	Applications of Computers in Chemistry	100 Marks (4 credits)
CHE-DSE 6:	Colloidal Chemistry	100 Marks (4 credits)
CHE-DSE 7:	Strategies in Organic Synthesis	100 Marks (4 credits)
CHE-DSE 8:	Properties of Coordination Compounds & Group Theory	100 Marks (4 credits)

Practicals

CHE-DSE 5:	Applications of Computers in Chemistry	50 Marks (2 credits)
CHE-DSE 6:	Colloidal Chemistry	50 Marks (2 credits)
CHE-DSE 7:	Strategies in Organic Synthesis	50 Marks (2 credits)
CHE-DSE 8:	Properties of Coordination Compounds & Group Theory	50 Marks (2 credits)

M.Sc.**SEMESTER-I**

Parent Department (Core Courses)

Paper	Title	Max. Marks	Con. Hours	Total Credits
Core 1	Group Theory and X-ray Crystallography	100	4	4
Core 2	Organic Synthesis	100	4	4
Core 3	Quantum Chemistry	100	4	4
Core 4	Organic Spectroscopy	100	4	4
Core 5	Advanced Practicals	100	6	4
<i>Total credits: 20</i>				

M.Sc.**SEMESTER-II**

Parent Department (Core Courses)

Paper	Title	Max. Marks	Con. Hours	Total Credits
Core 6	Transition Metal Chemistry	100	4	4
Core 7	Pericyclic and Asymmetric Synthesis	100	4	4
Core 8	Colloids, Surfaces and Macromolecules	100	4	4
Core 9	Inorganic Spectroscopy and Nuclear Chemistry	100	4	4
Core 10	Computer Practical & Computational Chemistry	100	6	4
<i>Total credits: 20</i>				

SEMESTER-III				
Parent Department (Core Courses)				
Paper	Title	Max. Marks	Con. Hours	Total Credits
CH-511	Main Group Chemistry and Inorganic Photochemistry	150	4	6
CH-512	Chemistry of Natural Products	150	4	6
CH-513	Research Project Work (Department Elective)	200	26	8
SEMESTER-IV				
Parent Department (Core Courses)				
Paper	Title	Max. Marks	Con. Hours	Total Credits
CH-521	Advanced Statistical Thermodynamics and Summetry	150	4	6
CH-522	Special Paper: Electrochemistry & Molecular reaction dynamics	150	4	6
	OR			
	Current Trends in Organic Synthesis			
	OR			
	Advanced Inorganic Chemistry			
CH-523	Research Project Work (Department Elective)	200	31	8

THRUST AREAS: Synthetic Chemistry (Both Inorganic and Organic), Heterocyclic, Natural Products and Green Chemistry, Nanotechnology and Nuclear Chemistry, Colloidal, Biophysical, Theoretical and Computational Chemistry.

PLACEMENT: Many Post-graduate students pursue career in teaching and research after qualifying CSIR/UGC National Eligibility Test (NET). Our Students are absorbed for job/research in premier institutions like IISc, TIFR, BARC, DRDO, ISRO, IMSC, IIT, NCL, NPL and IISER. GATE/GRE qualified students get avenues for professional studies in India/Abroad. Some graduate students go for Post- graduate studies at TIFR, IISc, IMSc, IITs and various Central Universities. Students also find jobs through PU Central Placement Cell besides the Placement Cell of the department.

ALUMNI RELATIONS: Chemistry department has produced many distinguished alumni, who have adored both administrative/executive and scientific positions in our country and abroad. The department has an association named "Chemistry Department Alumni Association, Panjab University (CDAAPU). Annual meeting of the alumni is a regular feature. Executive members of the alumni association meet frequently to discuss the activities of the association. CDAAPU provides fellowships to needy students out of the interest accrued from contribution of alumni of 1968 batch.

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

ABOUT THE DEPARTMENT

The Department of Computer Science and Applications was set up as a Centre in 1983. It got the status of the Department of Computer Science and Applications in 1997. The department offers various professional educational programmes like Ph.D. programme, Master of Computer Applications (MCA - Morning) a three year full time course, MCA (Self Financing) - a 3 year full time self financing course and Master of Science (Honors) in Computer Science. For these Post Graduate degree courses, admissions are held through an entrance test conducted by the Panjab University. The quality of input is really good as both Indian as well as foreign students are attracted towards these programmes.

The department has qualified, regular and competent faculty members with Ph.D./M.Tech./MCA (UGC NET) qualifications. Being a professional course, the curriculum is revised regularly to keep abreast of the latest advancements in the industry as well as the academia. Almost all the students at DCSA are well placed in various reputed companies. The department has an excellent infrastructure including laboratories, library, Internet facility, wireless networks and teaching - learning aids like smart classrooms. The faculty is performing and guiding research in different areas of Computer Science and Applications

FACULTY

Designation	Name	Field of Research Specialization
Professor (Re-employed)	M. Syamala devi	Distributed Artificial Intelligence, Image Processing, Educational Technology
Professors	Indu Chhabra	Neural Networks, Image Processing, Data Mining, Software Engineering
	Ravinder Kumar Singla (Chairperson)	Software Engineering, Web Semantics, Computer Network/Security

	Sonal Chawla	Semantic Web Applications, Programming Languages, Advanced Databases, Operating System
	Anu Gupta	Software Engineering, Open Source Software, Cloud Computing, Java Programming
Assistant Professors	Jasleen Kaur Bains	Java Programming, Image Processing, Pattern Recognition
	Rohini Sharma	Network Security, Design and Analysis of Algorithms
	Balwinder Kaur	RDBMS, Software Engineering, Operating System, Data Warehouse and Data Mining, Computer Organization
	Anuj Kumar	Image Processing, Pattern Recognition, Open Source Software
	Anuj Sharma	Pattern Recognition, Machine Learning
	Kavita Taneja	Mobile Ad Hoc Networks, Web Information Computing, Database Management System
	Supreet Kaur Mann	Wireless Sensor Networks, Networking.

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility	Admission Criteria
M. Sc. Computer Science	11+2 NRI +1 Foreign National	2 years	BCA / B.Sc. (Hons.) Computer Science / B.Tech./B.E.(Computer Science / Engineering) or any other examination recognized as equivalent with 50% marks thereto.	Based on P.U. CET-(P.G.)
M.C.A.	34+ 2*+5 NRI +2 Foreign National	3 years	The minimum qualification for admission to the first year of the course is i. A recognized first degree of minimum three years duration in any discipline with at least 50% marks and with Mathematics at 10+2 or at graduation level (all three years) OR ii. B.C.A. from Panjab University with 50% marks OR iii. Any examination recognized by the Panjab University Chandigarh as equivalent to any of the above examination (i) or (ii)	Based on P.U. CET-(P.G.)
M.C.A. (Evening) Self-financing	46+ 2*+6 NRI +2 Foreign National			
Ph.D.	Subject to availability	3-6 Years	See M.Phil / Ph.D prospectus 2019	

*5% Concession is admissible in eligibility requirement to SC/ST/BC/PwD candidates.

* for candidates who have studied Computer Science as one of the subjects for three years / or that subject as a full course at the under graduate level.

TITLE OF SYLLABI (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

M.C.A.

Semester -I		Semester -II	
CS-78	Programming in C	CS-63	Data and File Structures(Using C)
CS-60	Computer Organization and Assembly Language	CS-64	Object Oriented Programming (Through C++ And Java)
CS-61	Data Base Management Systems	CS-48	Data Communication and Networks
CS-75	Mathematical Structures in Computer Science	CS-76	Computer Based Numerical and Statistical Methods
CS-56	Linux Operating System	CS-07	Accounting and Financial Management
Semester -III		Semester -IV	
CS-65	Software Engineering	CS-79	Data Warehousing and Data Mining Techniques
CS-66	Operating Systems	CS-12	Interactive Computer Graphics
CS-67	Analysis and Design of Algorithms	CS-37	Theory of Computations
CS-77	ASP NET Using C#	CS-71	Artificial Intelligence (Using LISP)
CS-69	Relational Data Base Management Systems	CS-72	Advanced Java and Network Programming

Semester -V		Semester -VI	
CS-17	Computer Based Optimization Techniques	Cs-18	The Project period will be of 20 to 24 weeks duration. The Project will involve development of application/ system software in industries, commercial or scientific environment. It will carry 400 marks.
CS-57	Software Project Management		
CS-58	Mobile Communication and Application Development		
CS-59	Soft Computing Techniques using Neural Networks		
CS-19	Seminar		
M.Sc.			
Semester -I		Semester -II	
MCS-1901	Software Engineering	MCS-1906	Advance Java and Network Programming
MCS-1902	Data Base Management System	MCS-1907	Artificial Intelligence (Using LISP)
MCS-1903	Operating Systems	MCS-1908	Interactive Computer Graphics
MCS-1904	Analysis and Design of Algorithms	MCS-1909	Data Warehousing and Data Mining Techniques
MCS-1905	Practical based on MCS-1902 and 1904	MCS-1910	Practical based on MCS-1906 and 1908
Semester -III		Semester -IV	
MCS-1911	Soft Computing Techniques using Neural Networks	MCS-1916	MOOC / Elective / Generic Elective
MCS-1912	Software Project Management	MCS-1917	Major Project (SRS, DFD, Database Design, Input/output Design, Coding, Testing & Deployment)
MCS-1913	ASP.NET Using C#	MCS-1918	Seminar (Based on MCS-1917)
MCS-1914	MOOC / Elective / Generic Elective		
MCS-1915	Practical based on MCS-1911 & MCS-1913		

THRUST AREAS: Distributed Artificial Intelligence, Educational Technologies, Computer Graphics, Semantic Web Applications, Software Engineering, Open Source Software, Pattern Recognition, Image Processing and Computer Network/ Security.

PLACEMENT: Campus placements of MCA and M.Sc. (Hons.) students have been very good for the last many years evidencing that the MCA/M.Sc. (Hons.) Curriculum, teaching infrastructure and its environment have been of great importance to the students and highly relevant to the Industry. Various reputed computer companies such as Infosys, Nagarro, and Emerson etc visit the department on a regular basis for placement and more than 80% students get placed in these companies, thereby helping in development of Human Resource in the field of ICT.

ALUMNI RELATIONS: A large number of our Alumni are holding key positions in industry, commerce and public life in India as well as abroad.

DEPARTMENT OF ENVIRONMENT STUDIES

ABOUT THE DEPARTMENT

In addition to teaching, research on current environmental issues of local, national and global importance remains the major thrust areas of the Department of Environment Studies. The department also undertakes consultancy on environmental issues through the University. The research conducted by the department has been credited with various national and international awards. The department also serves as the nucleus for co-ordination and implementation of compulsory course on Environment Education for Under Graduate classes of Panjab University and its affiliated colleges. The department has suitably developed the laboratory facilities with many sophisticated analytical equipments including UV-VIS Spectrophotometer, HPLC, (High Performance Liquid Chromatography) Flame Photometer, COD-BOD assembly for teaching, demonstration and research purposes. The department has a well-equipped Cyberary and a Library with latest books and reading material in the field of Environment. The classrooms are equipped with LED Projector for teaching and imparting instructions to the students. Students are encouraged to use these aids for their seminars / project presentations. The students are regularly exposed to various aspects of industry requiring environmental attention, along with educational trips to the related production units and research institutions.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Harminder Pal Singh	Biotic Environment
Assistant Professors	Madhuri Rishi (Chairperson)	Earth & Atmospheric Science
	Suman Mor	Solid Waste Management
	Rajeev Kumar	Physical Environment

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.Sc. in Environment Science	20+3 NRI +1 Foreign National	2 Years	Bachelor's Degree with minimum 50% marks in aggregate from any Science/ Engineering Stream or any other stream with Honours in Geography as one of the subjects from P.U. or any other recognised University	Based on P.U.CET(PG) Academics: 50% P.U.CET(PG):50%
Ph.D.	Subject to availability	3-6 Years	See M.Phil/ Ph.D Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLE OF SYLLABI (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>) under the framework of Honours School System

M.Sc.

Semester- I		Semester- II	
Paper-1	Geo-Environment and Meteorological Science	Paper-1	Biodiversity and Conservation
Paper-2	Ecological Principles	Paper-2	Environment Analysis: Techniques and Instrumentation
Paper-3	Environmental Chemistry & Toxicology	Paper-3	Environment Pollution
Paper-4	Solid Waste Management and Techniques	Paper-4	Environmental Impact Assessment and Auditing
Semester- III		Semester- IV	
Paper-1	Environmental Technology	Paper-1	Statistical Applications and Research Methodology
Paper-2	Regional and Global Environmental Issues	Paper-2	Environmental Biotechnology
Paper-3	Environment and Energy Management	Paper-3	Remote Sensing and GIS in Environmental Science
Paper-4	Industrial and Biomedical Waste Management	Paper-4	Training of at least 4 weeks, Project report, Presentation

THRUST AREAS: Environment Pollution Monitoring & Remediation; Assessment of Biodiversity with special reference to Invasive Plants; Bio-prospecting of Medical and Aromatic Plants; Evaluation of Natural Plant Products as Novel Agrochemicals; Eco-toxicological Impacts of Heavy metals; Rain Water Harvesting and Groundwater Pollution; Management of Solid Waste; Wastewater treatment.

PLACEMENTS: The pass outs from the department are well placed in various Educational / Research Institutions and Industrial Establishments.

ALUMNI RELATIONS : The department has recently constituted an association of the alumni. The department envisages holding at least one Alumni meet every year so as to strengthen the linkage and bondage of the Alumni and the Department.

DEPARTMENT OF GEOLOGY AND CENTRE OF ADVANCED STUDY IN GEOLOGY (COSIST DEPARTMENT)

ABOUT THE DEPARTMENT

Established in 1958 by Late M.R. Sahni, the department was upgraded to the status of Centre of Advanced Study in 1963-64 in Himalayan Geology and Palaeontology. In 1986 it received COSIST Grants for improvement in infrastructure facilities in the Thrust areas of Geochemistry and Exploration Geology. In recent years of research and teaching besides Palaeontology,

Petrology, Environmental Geology, and Hydrogeology were included as additional thrust areas. The Department has been allocated Rs. 90.00 lacs under the FIST Programme of the DST in 2003. In 2012 the department has received Rs.148.00 lacs under CAS (Phase-VII) scheme of the UGC. It is thus the oldest Advanced Centre in the Country under the Special Assistance Programme of the UGC. The Department has a large collection of fossils, rocks and minerals housed in its Museum. The department has 45 (Forty Five) (registered/enrolled) research students on its rolls.

FACULTY

Designation	Name	Field of Research Specialization
Honorary Professor	O.N. Bhargava	Himalayan Geology
Professors Emeritus	Ashok Sahni	Vertebrate Palaeontology & Biomineralisation
Professors	S.B. Bhatia	Micropalaeontology.
	Naval Kishore	Hydrogeology, Petrology & Environmental Geology
Associate Professors	Rajeev Patnaik (Chairperson)	Vertebrate Palaeontology.
	Naveen Chaudhri	Igneous Petrology & Isotope Geochemistry
	Ashu Khosla	Palaeontology, Vertebrate, Micropalaeontology & Palaeobiogeography
Assistant Professors	Parampreet Kaur	Petrology, Isotope Geochemistry & Geochronology
	Gurmeet Kaur	Petrology, Mineralogy, Geochemistry & Hydrogeochemistry
	B.P. Singh	Palaeontology & Stratigraphy
	Seema Singh	Sedimentology & Applied Geology
	Mahesh Thakur	Geophysics
UGC Assistant Professor	Debabrata Das	Groundwater Hydrology
	Susanta Paikaray	Environmental Geochemistry

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.Sc. (Hons.) under the framework of Honours School System	30+4 NRI +2 Foreign National	3 Years	Candidate should have passed 10+2 examination with at least 50% marks with English, Physics, Chemistry, Maths/Biology.	Admission based on Academics : 25% P.U.CET(PG) : 75%
M.Sc. (Geology) under the framework of Honours School System	30+4 NRI +2 Foreign National	2 Years	For vacant seats, B.Sc. 3 years course with Geology as one of the subjects, 50% marks in B.Sc. & 50% marks in subject of Geology in B.Sc. OR B.Sc. (Hons.) in any subject under CBCS with 24 Credits in Geology as Generic Elective subject	B.Sc.(Hons.)students of Geology, P.U., For vacant seats, P.U.CET (PG). Academic : 40% P.U. CET (PG) : 60%
Ph.D.	Subject to availability	3-6 Years	See M.Phil/Ph.D Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD candidates

TITLES OF SYLLABI: (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

B.Sc. (Hons.)

Semester -I	Semester -II
Theory Papers: Core Course (C) Th.I: Earth System Science Th.II: Mineral Science Practicals: Core Course (C) Pr.I: Earth System Science Pr.II: Mineral Science Theory Papers: Generic Elective (GE) Th.I: Essentials of Geology Practicals: Generic Elective (GE) Pr.I: Essentials of Geology	Theory Papers: Core Course (C) Th.I: Elements of Geochemistry Th.II: Structural Geology Practicals: Core Course (C) Pr.I: Elements of Geochemistry Pr.II: Structural Geology Theory Papers: Generic Elective (GE) Th.I: Minerals and Rocks Practicals: Generic Elective (GE) Pr.I: Minerals and Rocks

Semester -III	Semester -IV
<p>Theory Papers: Core Course (C) & Skill Enhancement Course (SEC) Th.I: Igneous Petrology Th.II: Sedimentary Petrology Th.III: Palaeontology Practicals: Core Course (C) & Skill Enhancement Course (SEC) Pr.I: Igneous Petrology Pr.II: Sedimentary Petrology Pr.III: Palaeontology SEI: 1 Core Course (C) & Skill Enhancement Course (SEC) Field Geology-1</p>	<p>Theory Papers: Core Course (C) & Skill Enhancement Course (SEC) Th.I: Metamorphic Petrology Th.II: Stratigraphic Principles & Indian Stratigraphy Th.III: Hydrogeology Practicals: Core Course (C) & Skill Enhancement Course (SEC) Pr.I: Metamorphic Petrology Pr.II: Stratigraphic Principles & Indian Stratigraphy P.III: Hydrogeology SEI: 2 Core Course (C) & Skill Enhancement Course (SEC) Field Geology 2/3/4/5</p>
Semester -V	Semester -VI
<p>Theory Papers: Core Course (C) Th.I: Economic Geology Th.II: Geomorphology Practicals: Core Course (C) Th.I: Economic Geology Th.II: Geomorphology Theory Papers: Discipline Specific Elective (DSE) Th.I: Geophysics Th.II: Earth's Climate and Environment Practicals: Discipline Specific Elective (DSE) Th.I: Geophysics Th.II: Earth's Climate and Environment</p>	<p>Theory Papers: Core Course (C) Th. I: Engineering Geology Th. II: Remote Sensing & GIS Practicals: Core Course (C) Pr. I: Engineering Geology Pr. II: Remote Sensing & GIS Theory Papers: Discipline Specific Elective (DSE) Th. I: Evolution of Life Through Time Th. II: Fuel Geology Practicals: Discipline Specific Elective (DSE) Pr. I: Evolution of Life Through Time Pr. II: Fuel Geology</p>

B.Sc. (Hons.) III & IV Semester Generic Elective (GE) in Geology (Theory & Practical)

Semester -III	Semester -IV
<p>Th.I: Ground Water Pr.I: Ground Water M.Sc.</p>	<p>Th. I: Stratigraphy Pr. I: Stratigraphy</p>
Semester -I	Semester -II
<p>Th. I Igneous Petrology & Metamorphic Petrology Th.II Sedimentology & Tectonics Th.III Palaeontology & Stratigraphy Pr.I Igneous Petrology & Metamorphic Petrology P.II Sedimentology & Tectonics P.III Palaeontology & Stratigraphy FW Geological Field Work</p>	<p>Th.I Igneous Petrology & Metamorphic Petrology Th.II Sedimentology & Structural Geology Th.III Palaeontology & Stratigraphy Pr. I Igneous Petrology & Metamorphic Petrology Pr. II Sedimentology & Structural Geology Pr.III Palaeontology & Stratigraphy FW Geological Field Report Viva Voce</p>
Semester -III	Semester -IV
<p>Th.I Remote Sensing-GIS & Geomorphology- Climatology Th.II Petroleum Geology & Ore Geology Th.III Isotope Geology & Engineering Geology Pr.I Remote Sensing-GIS & Geomorphology- Climatology & Ore Geology Pr.II Petroleum Geology, Isotope Geology & Engineering Geology FW Project Oriented Geological Field Work</p>	<p>Th.I Petroleum Geochemistry & Exploration Geophysics Th.II Hydrogeology & Environmental Geology Pr.I Petroleum Geochemistry & Exploration Geophysics Pr. II Hydrogeology & Environmental Geology FW Project Oriented Report: Lab. Work, Field Report: Presentation & Viva Voce</p>

THRUST AREAS: Paleontology & Stratigraphy, Petrology, Hydrogeology & Environmental Geology.

PLACEMENTS: There is a Placement Cell in the department, which co-ordinates with the Central Placement Cell of the University and provides guidance and counselling to the students about the job opportunities in various Companies/ Institutes.

ALUMNI RELATIONS: Alumni Association of the department (PUGAA) often interacts and hold functions for the welfare and fulfilment of the aspirations of the alumni.

INSTITUTE OF FORENSIC SCIENCE & CRIMINOLOGY

ABOUT THE INSTITUTE

The Institute of Forensic Science & Criminology (IFSC) was established by Panjab University in 2009 for excellence in teaching and research in the field of Forensic Science & Criminology. Forensic Science & Criminology is a multi-disciplinary subject that has enormous applications in diverse areas like Law enforcement, Judiciary, Customs, and Defense, etc. The Institute is unique that it provides training in all aspects related to Forensic Science & Criminology with specialization in Forensic Biology, Forensic Chemistry and Forensic Physics.

FACULTY

Designation	Name	Field of Research Specialization
Assistant Professors	Shweta Sharma (Chairperson) Vishal Sharma Jagdish Rai	Colloidal Chemistry, Forensic Toxicology, Drug-Drug Interaction Material Science, Finger Print Science, Questioned Documents DNA Sequencing, Protein Science

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.Sc	19+2NRI +1**+1 Foreign National	2 Years	B.Sc./B.Sc. (Hons.) Degree in Forensic Science or any other Graduation Degree with 3/4/5 Years duration with minimum 50% marks in the faculty of Science/Engineering/Medical/Dental and Pharmaceutical Science of Panjab University or any other recognized University.	Based on PU-CET(PG): Academics: 50% PU-CET(PG):50%
Ph.D.	Subject to availability	3-6 Years	See M.Phil/Ph.D Prospectus-2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

** Seats reserved for in-service candidates from Government Organization. In case of non-availability of in-service candidate, the seat will be converted into General Category

TITLES OF SYLLABI : (Detailed syllabus available at <http://puchd.ac.in/syllabus.php>)

M.Sc.

Semester-I		Semester-II	
(i)	General Forensic and Fingerprint Science	(i)	Molecular Biology and Biochemistry
(ii)	Forensic Biology	(ii)	Forensic Chemistry
(iii)	Instrumentation	(iii)	Forensic Physics
(iv)	Criminology, Criminal Law and Forensic Psychology	(iv)	Quality Management and Statistics
(v)	Crime file/Scrap File		
Semester-III		Semester-IV	
(i)	Forensic Toxicology and Drugs of Abuse	(i)	Questioned Documents
(ii)	Ballistics	(ii)	Computer Forensics
(iii)	Forensic Anthropology, Osteology and Odontology	(iii)	Advanced DNA Methods (Specialization in Forensic Biological Sciences)
(iv)	Cytogenetics	(iv)	Forensic Explosives (Specialization in Forensic Chemical Sciences)
		(v)	Forensic Audio-Video Analysis (Specialization in Forensic Physical Sciences)
		(vi)	Dissertation
		(vii)	Seminar/Journal Club

THRUST AREAS: Thrust Areas: Fingerprint detection using nanoparticles, Analytical techniques for Questioned Document examination, Forensic Toxicology, Extraction of questioned analyte, Drug-drug interactions, Developing drug sensors, Forensic Anthropology and Forensic Biology.

PLACEMENTS: The placement cell of the department endeavors to offer placement services to the students. The students are informed of various opportunities. The students are placed mainly in the various government organizations.

ALUMNI RELATIONS: The department remains in touch with old students by inviting them in get-togethers/Annual Function where they share their experience.

DEPARTMENT OF MATHEMATICS (CENTRE FOR ADVANCED STUDY IN MATHEMATICS)

ABOUT THE DEPARTMENT

The Department was established in 1952 at Hoshiarpur and set up at Chandigarh in 1958. It is one of the best departments of Mathematics of the Indian Universities. It has been recognized as Centre for Advanced Study in Mathematics since 1963 by the U.G.C. The National Board for Higher Mathematics has granted the status of Regional Library to the Library of the Department and support the consortium for the online access to Math. Sci. Net, for which the department is the leading partner.

FACULTY

Designation	Name	Field of Research Specialization
Honorary Professor	Rajesh Kochhar	Applied Mathematics
Professors Emeritus	R.P. Bambah	Number Theory, Geometry of Numbers, Discrete Geometry
	I.B.S.Passi	Algebra
	R.J. Hans Gill	Number Theory, Geometry of Numbers, Discrete Geometry
	S.K. Khanduja	Algebraic Number Theory
	A.K. Aggarwal	Number Theory
Professor (Re-employed)	Madhu Raka	Number Theory, Geometry of Numbers, Algebraic Coding Theory
Professors	S.K. Tomar	Applied Mathematics, Continuum Mechanics
	Savita Bhatnagar	Harmonic Analysis, Real Analysis
	Renu Bajaj	Applied Mathematics, Fluid Dynamics
	Vanita Verma	Operational Research Optimization
	Gurmeet Kaur Bakshi (Chairperson)	Algebra, Algebraic Coding Theory
Associate Professors	Dinesh K. Khurana	Algebra, Ring Theory
	D.B. Rishi	Number Theory, Topology
	Vikas Bist	Algebra & Analysis, Linear Algebra
	Poonam Sehgal	Algebra, Number Theory & Complex Analysis
Assistant Professors	Suman Bala	Algebra
	Manisha Sharma	Operational Research
	Anjana Khurana	Algebra
	Sarita Pippal	Computational Fluid Dynamics
	Surinder Pal Singh	Real Analysis, Graph Theory
	Aarti Khurana	Continuum Mechanics
Assistant Professors (UGC)	Dilbag Singh	Applied Mathematics, Continuum Mechanics
	Gagandeep Singh	Queuing Theory, Stochastic Modeling, Applied Probability

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.Sc.(Hons.) under the framework of Honours School System	40+6 NRI +2 Foreign National	3 Years	50% marks in 10+2 examination from a recognized Board/CBSE with Mathematics as one of the subjects.	Based on P.U.CET-(UG)* Academics: 25% P.U.CET(UG):75%

M.Sc Mathematics under the framework of Honours School System	(i) 40+5 NRI+2 Foreign National	2 Years	B.Sc. (Hons.) in Mathematics and B.Sc. (H.S.) in Maths & Computing from the Department of Mathematics, P.U., Chandigarh	Ongoing Class
	(ii) 30+5 NRI+2 Foreign National	2 Years	B.A./B.Sc. (General) with 50% marks in Mathematics as a major subject OR B.A./B.Sc. with Hons. 50% marks in Mathematics of P.U. or any other University recognized by P.U. as equivalent thereto OR B.Sc. (Hons.) in any subject under CBCS with 24 Credits in Mathematics as Generic Elective subject	Based on P.U.CET(PG) Academics: 40% P.U.CET(PG):60%
Ph.D.	Subject to availability	3-6 Years	See M.Phil/Ph.D Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

** I.N.M.O. Awardees can join B.Sc. (Hons.) Department of Mathematics, without appearing in the P.U.CET(UG) Entrance Test

TITLES OF SYLLABI: (Detailed Course Curriculum is available at www.puchd.ac.in.)

B.Sc. (Hons.) (Under CBCS)

Paper	Semester- I	Paper	Semester- II
C1	MAT-C1: Calculus	C3	MAT-C3: Real Analysis
C2	MAT-C2: Algebra	C4	MAT-C4: Differential Equations
MAT-AECC1	English/ MIL	MAT-AECC2	English/ MIL
AECC1	Communications/ Environment Science	AECC2	Communications/ Environment Science
GE1*	MAT-GE1	GE2*	MAT-GE3
	MAT- GE2		MAT-GE 4
Semester-III		Semester-IV	
MAT-C5	Theory of Real Functions	MAT-C8	Numerical Methods
MAT-C6	Group Theory I	MAT-C9	Riemann Integration and series of Functions
MAT-C7	PDE and system of ODE	MAT-C10	Ring Theory and Linear Algebra I
SEC1		SEC2	
GE3*	MAT-GE5	GE4*	MAT-GE6
Semester-V		Semester-VI	
C11	MAT-C11: Multivariate Calculus	C13	MAT-C13: Metric Spaces and Complex Analysis
C12	MAT-C12: Group Theory II	C14	MAT-C14: Ring Theory and Linear Algebra II
DSE1		DSE3	
DSE2		DSE4	

C: Core Courses; GE: General Elective; AECC: Ability Enhancement Compulsory Courses; SEC: Skill Enhancement Courses; DSE: Discipline Specific Elective

*: GE subjects are to be selected by the students from the pool of GE Subjects offered by various Departments of the University

M.Sc. (Hons.)

Every student will have to take five papers given below:		The above mentioned courses will be offered to the students depending upon their background	
Paper	Semester- I	Semester- II	
701S	Topology OR	721S	Functional Analysis OR
702S	Real Analysis	722S	Measure Theory

703S	Topics in Algebra-I OR	723S	Topics in Algebra-II OR
704S	Groups and Rings	724S	Modules & Fields
705S	Linear Programming OR	725S	Non-Linear Programming OR
706S	Number Theory-I	726S	Number Theory-II
707S	Complex Analysis-I	727S	Complex Analysis-II
708S	Classical Mechanics-I	728S	Classical Mechanics-II
M.Sc. (HS)			
(Five Courses out of the following)			
Paper	Semester-III	Semester-IV	
705S	Linear Programming	725S	Non-Linear Programming
751S	Topology	770S	Functional Analysis
752S	Linear Algebra and Commutative Algebra-I	769S	Commutative Algebra-II
761S	Computational Techniques-I	781S	Computational Techniques-II
771S	Algebraic Number Theory-I	791S	Algebraic Number Theory-II
772S	Topics in Number Theory-I	792S	Topics in Number Theory-II
773S	Fluid Mechanics-I	793S	Fluid Mechanics-II
774S	Algebraic Coding Theory-I	794S	Algebraic Coding Theory-II
775S	Non-Commutative Ring Theory	795S	Representation Theory of Finite Groups
776S	Partial Differential Equations-I	796S	Partial Differential Equations-II
777S	Continuum Mechanics-I	797S	Continuum Mechanics-II]
778S	Numerical Methods for Differential Equations-1	798S	Numerical Methods for Differential Equations-II
779S	Network Analysis	799S	Numerical Optimization
780S	Measure & Integration-I	800S	Measure and Integration-II

THRUST AREA: Algebra, Continuum Mechanics, Number Theory, Numerical Analysis

PLACEMENTS: Our students are placed in teaching jobs in Government/private educational institutions.

ALUMNI RELATIONS: We invite our distinguished alumni at every academic function in the department. They deliver motivating lectures to the students/faculty.

DEPARTMENT OF MICROBIOLOGY

ABOUT THE DEPARTMENT

The department is one of the oldest and pioneer departments of Microbiology in the country. The department has made a remarkable progress in teaching and research since its establishment in 1964 and has been recognized for research Nationally and Internationally. It has been implementing various schemes and R & D Projects funded by various govt. agencies like Department of Biotechnology (DBT), Dept. of Science and Technology (DST-PURSE), University Grants Commission, Council of Scientific and Industrial Research (CSIR), Indian Council for Medical Research (ICMR), Chandigarh Council of Science and Technology (CCST) etc.

The Department has excelled in Medical and Industrial Research and its faculty has expertise in almost all the branches of Microbiology like Immunology, Diagnostic Reproductive Biology, Phage Therapy, Microbial Biosensors, Quorum Sensing, Molecular Biology, Food Microbiology, Fermentation Technology, Microbial Diversity, Environmental Microbiology, Enzymes and their Applications etc. The graduates from this department are employed in various National/International academic, premier research and industrial organizations and International Universities. The department has good modern infrastructure for teaching and research.

Besides intradepartmental collaborations, the department does have collaborations with PGIMER (CHD), CSIR-IMTECH (CHD), CSIR-IHBT (Palampur). The faculty of the department has been conferred awards/recognition at various platforms nationally. The vision of the department is to explore Microbial diversity in Health, Industry and Environment with the mission to use Microbiology in the Service of Society.

In 2014, the Department shifted to new building in South Campus of the university situated in Sector-25, Chandigarh. The new building has the world class infrastructure and well established departmental Instrumentation Facility. The major equipment available in the department include UV-Visible Spectrophotometers, Ultra Centrifuge, Refrigerated Centrifuge,

Ultra Deep Freezer, Orbital Shakers, Water Bath Shakers, Protein Purification System with fraction collector, electrophoresis equipment, BOD Incubators, Gas chromatograph, laboratory fermenter, Fluorescent Microscope, Sonicator, Trans-illuminator, CO₂ incubators, Micro Centrifuge, Cold Room, Real Time PCR Machine, Electro-evaporator, ELISA Reader, Lyophilizer, Milipore Water Purification System etc.

The Department of Biotechnology, Govt. of India, New Delhi has selected this department for assistance for enhancement of research and teaching in the field of Microbial Biotechnology. UGC has selected the department for Special Assistance Programme (SAP).

FACULTY

Designation	Name	Field of Research Specialization
Professor Emeritus	K. G. Gupta	Applied Microbiology
Professors	J. K. Gupta	Industrial Microbiology
	Sanjay Chhibber	Medical Microbiology
	Prince Sharma	Molecular Microbiology
	Vijay Prabha	Medical Microbiology
	Praveen Rishi	Medical & Immunology Microbiology
	Sanjiv Kumar Soni	Food and Fermentation Technology
	(Chairperson)	
Assistant Professors	Kusum Harjai	Applied Medical Microbiology & Immunology
	Geeta Shukla	Medical Microbiology
	Deepak Kumar Rahi	Industrial Microbiology
	Naveen Gupta	Industrial & Molecular Microbiology
	Khem Raj	Medical Microbiology
	Seema Kumari	Medical Microbiology

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B. Sc. (Hons.) under the framework of Honours School System	30+4 NRI +2 Foreign National	3 Years	50% marks in 10+2 with English, Physics, Chemistry, Maths, Biology, Biotechnology	Based on P.U.CET (UG) Academics : 25% PU-CET(UG):75%
M.Sc. (Microbiology) under the framework of Honours School System	30+3 NRI +2 Foreign National	2 Years	Ongoing students must have cleared B.Sc. (Hons.)	Ongoing Class
Ph.D	Subject to availability	3-6 Years	See M.Phil/Ph.D prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF SYLLABI : (Detailed syllabus available at www.puchd.ac.in/syllabus.php)

COURSE STRUCTURE

B.Sc (H.S.)

Semester -I		Semester -II	
C1	MIC-C1: Biomolecules	C3	MIC-C3: General Microbiology
C2	MIC -C2: Cell Biology	C4	MIC-C4: Molecular Biology
AECC1	MIC-AECC1: English	AECC2	MIC-AECC2: Environmental Science
GE1*	General Bacteriology (To be offered for the students from other Departments)	GE3*	Environmental Microbiology (To be offered for the students from other Departments)
GE2*		GE4*	
Four core courses in first year will run simultaneously in both semesters under PU-IMBSER			
Semester -III		Semester -IV	
C5	MIC-C5: General Bacteriology	C8	MIC-C8: Environmental Microbiology
C6	MIC-C6: Industrial Microbiology	C9	MIC-C9: Medical Microbiology
C7	MIC-C7: Microbial Physiology and Metabolism	C10	MIC-C10: Food and Dairy Microbiology
SEC1		SEC2	
GE5*	Industrial Microbiology (To be offered for the students from other Departments)	GE6*	Medical Microbiology (To be offered for the students from other Departments)

Semester -V		Semester -VI	
C11	MIC-C11: Medical Bacteriology	C13	MIC-C13: Molecular Genetics
C12	MIC-C12: Immunology	C14	MIC-C14: Virology
DSE1		DSE3	
DSE2		DSE4	

C: Core Courses; GE: General Elective; AECC: Ability Enhancement Compulsory Courses; SEC: Skill Enhancement Courses; DSE: Discipline Specific Elective

***: GE subjects are to be selected by the students from the pool of GE Subjects offered by various Departments of the University.**

**SKILL ENHANCEMENT COURSES (any one per semester in semesters 3-4)	*DISCIPLINE SPECIFIC SUBJECTS (any two per semester in semesters 5-6)
MIC-SE1: Microbial Quality Control in Food and Pharmaceutical Industries	MIC- DSE1: Microbial Biotechnology
MIC-SE2: Microbial Diagnosis in Health Clinics	MIC- DSE2: General Pathology
MIC-SE3: Biofertilizers and Biopesticides	MIC- DSE3: Immunopathology
MIC-SE4: Food Fermentation Techniques	MIC- DSE4: Microbes in Sustainable Agriculture and Development
MIC-SE5: Management of Human Microbial Diseases	MIC- DSE5: Biosafety and Intellectual Property Rights
MIC-SE6: Microbiological Analysis of Air and Water	MIC- DSE6: Instrumentation and Biotechniques
	MIC- DSE7: Project Work-I (Medical stream)
	MIC-DSE8: Project Work-II (Non-Medical stream)

*Courses under these will be offered only if a minimum of 10 students opt for the same

M.Sc

Semester -I		Semester -II	
MMIC C-1	Advances in Microbial Ecology	MMIC C-5	Fermentation Technology
MMIC C-2	Pathogenesis of Infectious diseases	MMIC C-6	Advances in Molecular Biology & Biotechnology
MMIC C-3	Newer approaches in diagnostic Microbiology	MMIC C-7	Advances in Immunoprophylaxis & Immunotherapy of Infections
MMIC C-4	Combined Practical-1	MMIC C-8	Combined Practical-2
MMIC GE-1	Swayam Paper-I*	MMIC GE-2	Swayam Paper-II*
Semester -III		Semester -IV	
MMIC C-9	IPR, Biosafety, Bioinformatics and Biostatistics	MMIC C-14	Journal Club
MMIC C-10	Advanced Topics in Microbiology -I (Seminar)	MMIC C-15	Research Work (Thesis)**
MMIC C-11	Advanced Topics in Microbiology -II (Paper)	MMIC C-16	Research Work (Viva Voce)**
MMIC C-12	Project Training Report & Presentation		
MMIC C-13	Research Work (Review)**		
MMIC GE-3	Swayam Paper-III*		

*** Generic Elective (GE) subjects are to be selected by the students from the following pool of subjects available on "Swayam", Free on line free education portal (<https://swayam.gov.in/>)** as recommended by UGC. Courses delivered through SWAYAM are available free of cost to the learners, however students wanting certifications shall be registered, shall be offered a certificate on successful completion of the course, with a little fee. At the end of each course, there will be an assessment of the student through proctored examination and the marks/grades secured in this exam could be transferred to the academic record of the students. UGC has already issued the UGC (Credit Framework for online learning courses through SWAYAM) Regulation 2016 advising the Universities to identify courses where credits can be transferred on to the academic record of the students for courses done on SWAYAM.

1. Bioorganic and biophysical chemistry
2. Organic spectroscopy
3. Application of spectroscopic methods in molecular structure determination

4. Environmental chemistry
5. Forensic chemistry and explosives
6. Forensic biology and serology
7. Food laws and standards
8. Technology of fermented, cheese, ice-cream and by-products

****RESEARCH WORK:** The research work for thesis will start from third semester and will be continued in the fourth semester. The weight age will be of 50 marks in third semester. At the end of semester third, students will submit their literature work in the form of a Review on the topic selected. There will be a presentation before a panel of teachers from the department.

THRUST AREAS : Medical Microbiology, Food Microbiology, Industrial Microbiology, Immunology, Environmental Microbiology, Microbial Physiology and Biochemistry, Genetic Engineering and Biotechnology.

PLACEMENTS : Though there is 100% off campus placement of the students of Microbiology after M.Sc./Ph.D, efforts are being made to activate the process of on campus placement through Central Placement Cell, Panjab University, Chandigarh.

ALUMNI RELATIONS : To promote the alumni relations, the committee has recently been constituted to activate the process.

DEPARTMENT-CUM-NATIONAL CENTRE FOR HUMAN GENOME STUDIES AND RESEARCH

ABOUT THE CENTRE

Department cum National Centre for Human Genome Studies and Research is relatively new education centre established in year 2002. The first sequencing of the human genome in 2002 provided a glimpse of humans at our most basic molecular level. The main goal of our department is to inspire and educate young minds in Genetics and Genomics. Students learn to approach problems and formulate questions that span the full range of biological systems, from genes to cells to medicine to evolution. Research in Genetics and Genomics is quickly becoming the key source of new insights, better understanding, and targeted treatments of both rare monogenic diseases and common complex diseases such as coronary heart disease, cancer, etc. Our ethos reflects and fosters a passion for discovery and curiosity and a commitment to excellence. The goal of this Centre is to provide the most advanced and comprehensive education possible related to human genome at the post graduate level. We highly value interdisciplinary knowledge and collaboration as the core of our effort. Our research addresses the molecular mechanisms underlying fundamental processes in biology and disease. We apply genetic, biochemical, cell biological, computational and biophysical approaches to study various questions/problems in biology. We are motivated towards understanding of human biology and disease and to develop solutions to societal health problems. Mission is to establish specific scientific programs that will be available to the public, to improve human health and well-being through education and research.

FACULTY

Designation	Name	Field of Research Specialization
Associate Professor	Ramandeep Kaur	Molecular and Cancer Biology
Assistant Professors	Shashi Chaudhary	Genetics & Molecular Biology of Human Disease
	Ranvir Singh (Chairperson)	Protein Crystallography

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.Sc. Human Genomics	15+3 NRI +1 Foreign National	2 Years	B.Sc. (Pass or Honours) under 10+2+3 pattern of examination with atleast 55% marks in Physical, Chemical, Biological, Pharmaceutical Science or in medicine from any University /Institute recognized by P.U.	Based on P.U.CET(PG) Academics: 50% P.U.CET(PG):50%
Ph.D.	Subject to availability	3-6 Years	See M.Phil/Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF SYLLABI (Detailed syllabus available at <http://puchd.ac.in/syllabus.php>)

M.Sc.

Semester- I		Semester- II	
MHG 101	Foundation Course	MHG-201	Biomolecular Structure and Bioinformatics-I
MHG 102	Cell Biology	MHG-202	Applied Genetics
MHG-103	Genetics	MHG-203	Human Molecular Genetics-I
MHG-104	Analytical Techniques	MHG-204	Genetic Engineering and Molecular Biology Techniques
MHG-105	Practical based on 101 & 102	MHG-205	Practical based on 201 & 202
MHG-106	Practical based on 103 & 104	MHG-206	Practical based on 203 & 204
Semester- III		Semester- IV	
MHG-301	Biomolecular Structure and Bioinformatics – II	MHG-401	Advanced Course in Genomics
MHG-302	Gene Expression and Epigenetics	MHG-402	Project Work and Presentation
MHG-303	Human Molecular Genetics-II	MHG-403	Clinical Round and Viva
MHG-304	Genomics and Proteomics	MHG-404	Educational Tour & Journal Club
MHG-305	Practical based on 301 & 302		
MHG-306	Practical based on 303 & 304		

THRUST AREAS: Molecular Biology, Functional Genomics and Proteomics

PLACEMENTS: Most of the students pursue Ph.D. programme after completion of their course while others opt for private sector jobs in clinical research organizations like Dr REDDYS (Hyderabad), Quantum Solution etc.

ALUMNI RELATIONS: Departmental alumni keep visiting and interacting with students and provide their valuable input from their experience, time to time.

DEPARTMENT OF PHYSICS

ABOUT THE DEPARTMENT

The Department of Physics was established at Lahore in 1934, moved to Delhi for some time and then to Govt. College, Hoshiarpur (Pb.) after partition. Subsequently, the Department was shifted to Chandigarh in 1958.

The Department had previously received grants under the UGC- COSIP (College Science Improvement Programme) from 1977-83, SAP (Special Assistance Programme) from 1980-88 and COSIST (Committee of Strengthening of infrastructure in Science and Technology) from 1984-91. Since 1988, it has been accorded the status of a Centre of Advanced Study (CAS) by UGC with three major thrust areas: Particle Physics, Nuclear Physics and Solid State Physics - a unique achievement. At present the Department has the strength of 22 faculty members, 1 Re-employed Faculty, 2 UGC Faculty, 33 Assisting staff and 1 daily wage staff, apart from Post-doctoral fellows under various funding schemes as well as project scientists/ investigators. There are about 130 research students and 400 B.Sc. (Hons. School) Physics, M.Sc. (Hons. School) Physics, B.Sc. (Hons. School) Physics (Specialization in Electronics) and M.Sc. (Hons. School) (Specialization in Electronics) students on the rolls of the Department. About 150 B.Sc. (Hons. School) students of other departments study Physics subjects as Generic Elective Courses.

The faculty members have been honoured with Meghnad Saha Award, Goyal Prize (Kurukshetra University), Sir C.V. Raman Award, Hari Om Trust Award, S.N. Satya Murthi Young Scientist Award, DAE Young Scientist Award, Himachal Scientists of the Year award 2011, Chinese Academy of Sciences President's International fellowship, Mercator Professorship, Homi Bhabha Fellowship, Emeritus Scientistships, Ramanna Fellowship, Raman Fellowship. They have been elected for Indian Academy of Sciences fellowship, Joliot Curie fellowship, Alexander Von Humboldt fellowships, DFG (German Research Society) Fellowship, BMFT (Ministry of Research and Technology of Germany like DST) fellows, UNESCO/IAEA Fellowship, WE-Heraeus Fellowship, Heinrich Hertz Foundation fellowship, Fulbright Fellowship, Commonwealth fellowship, IN2P3-CNRS Fellowship, France, Third World Academy of Sciences fellowships and UGC National Lecturer Fellowship awards. Our faculty had also served/ is serving at various administrative positions such as Vice-Chancellors of Panjab University and other universities.

The Department is having research collaborations with institutions like Royal Military College of Canada, Canada; University

of Notre Dame, USA; Fermilab USA; CERN Geneva; Bonn University Germany; University of Bayreuth, Wuerzburg, Munich and Berlin in Germany, Chemistry Deptt., City College of New York (CUNY), New York; KEK Japan, Chinese academy of Sciences, Shanghai China; ICTP, Trieste; Univ. of Illinois, USA; BNL, USA; Max. Planck Institute, Germany; Univ. of Leipzig, Germany; SUBATECH, Nantes, France; Instt. for Theoretische Physics, Tubingen, Germany; Instt of Nuclear Studies, Warsaw University, Poland; Univ. of Milano, Italy; J.L. Univ., Germany; J.W. Goethe Univ., Frankfurt, Germany; Instt. of Nucl. Physics, Strasbourg, France; University of Surrey, Gilford, U.K.; University of Hawaii, Cincinnati; Virginia Tech., Princeton University, University of Antwerp, Belgium, JINR Dubna Russia, IUC, Kolkata; VECC, Kolkata; TIFR, Mumbai; IAUC., New Delhi; IIT, Kanpur; Delhi University, Delhi; Mumbai University, Mumbai; IIT, Chennai; I.O.P. Bhubaneshwar; H.P. University, Shimla; T.B.R.L., P.G.I.M.E.R., C.S.I.O., Chandigarh, Jammu University, Jammu. The department has MOU with IUAC, New Delhi, for joint faculty appointment and to various academic exchange programs for Accelerator based research.

UGC has sanctioned 3 crores under CAS-V Phase (2015-2019) grant under improvement of Infrastructural facilities of the Physics department. Funds of Rs. 3.5 crores for infrastructure development have been sanctioned by the Department of Science and Technology under FIST programme to upgrade Teaching and Research facilities. The Department of Science & Technology has given technical approval for funding the proposal for establishing Panjab University Accelerator Science Centre (6 MV Tandem Accelerator) at P.U. Campus. The Department has been recognized by DST to host a Centre for High Energy Physics Detectors and Instrumentation (CHEPDI) for the R&D of future detectors and for human resource generation.

The Centre for Medical Physics and the Centre for Nano Science & Nano Technology are closely associated with the Department of Physics.

Research Facilities

Facilities exist in the Department for research in Nuclear Physics, High Energy Physics, Photon-Atom Interaction Studies, Solid State/Condensed Matter Physics, Laser Spectroscopy, Radiometric Dating and Theoretical Physics, leading to the Ph.D. degree.

Major facilities available in the Department : (i) Cyclotron, (ii) High Energy Physics (Data Analysis and Detector fabrication Labs.) for studies connected with Collider Physics at CERN and Fermilab, Neutrino Physics at INO and Fermilab., (iii) Facilities for PAC/PAD studies of Hyperfine Interactions (iv) Semi-conductor laboratory, fabrication of thin films, (v) Raman Spectrometer, (vi) Several Nuclear Spectrometers incorporating detectors like HPGe, Si(Li), NaI(Tl), BaF₂, and LaBr₃ associated with modern electronics, (vii) Data Analysis labs. for Ultra relativistic heavy Ions experiments done at CERN, (viii) High Performance Computational Facility for theoretical studies for modeling physical problems including simulations, (ix) Energy dispersive X-ray fluorescence spectrometers using radioactive exciter sources and X-ray tube for material analysis, and (x) XRD. An 11 inch Telescope has been installed in the Department as a part of Teaching and Public awareness Programs in Astrophysics.

The Department houses Indian Association of Physics Teachers (IAPT) office and actively leads in IAPT, Indian Physics Association activities.

FACULTY

Particular	Name	Field of Research Specialization
Professors Emeritus	K.N. Pathak	Condensed Matter Physics (Theory)
	Nirmal Singh	Nuclear Physics (Experimental)
	Raj K. Gupta	Nuclear Physics (Theory)
	M.M. Gupta	Particle Physics (Theory)
	Suman Bala Beri	High Energy Physics (Experimental)
Emeritus Scientists/ Investigators	M.M. Aggarwal	
	A.K. Bhati	
	Gulzar Singh	
	J.B. Singh	
Professors (Re-employed)	Manjit Kaur	
	V.P. Singh	Mass Spectrometry & Geochronology (Experimental)
Professors	K.P. Singh	
	Devinder Mehta	Nuclear Physics (Experimental)
	Navdeep Goyal	Condensed Matter Physics (Experimental)
	(Chairperson)	
	Rajeev K. Puri	Nuclear Physics (Theory)

Associate Professors	G.S.S.Saini	At. Mol. Spectroscopy (Experimental)
	C. Nagaraja Kumar	Theoretical Physics
	S.K. Tripathi	Condensed Matter Physics (Experimental)
	Sandeep Sahijpal	Astrophysics & Planetary Sciences (Theory)
	Ranjan Kumar	Condensed Matter Physics (Theory)
	B.R. Behera	Nuclear Physics (Experimental)
	Vipin Bhatnagar	High Energy Physics (Experimental)
	K.S. Bindra	Physics Education
	Ashok Kumar	Nuclear Physics (Experimental)
	Sunita Srivastava	Theoretical Physics
Assistant Professors	J.S. Shahi	Nuclear Physics (Experimental)
	Bimal Rai	Geochronology (Experimental)
	Manish Dev Sharma	Electronics & Communication (Experimental)
	Neeru Chaudhary	Instrumentation (Experimental)
	Samarjeet Sihotra	Nuclear Physics (Experimental)
	Rajesh Kumar	Condensed Matter Physics (Experimental)
	Lokesh Kumar	High Energy Physics (Experimental)
	Sakshi Gautam	Nuclear Physics (Theory)
UGC Faculty	Gulsheen Ahuja	High Energy Physics (Theory)
	Tankeshwar Kumar	Condensed Matter (Theory)
	Sushil Chauhan	High Energy Physics (Experimental)

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility *	Criteria
B.Sc. (Hons) under the framework of Honours School System	40+6 NRI +2 Foreign National	3 Years	10+2 Non-Medical/ Medical with 50% marks	Based on PU-CET(UG) Academics : 25% PU-CET(UG): 75%
B.Sc. (Hons) under the framework of Honours School System (Specialization in Electronics)	20+3 NRI +1 Foreign National	3 Years	10+2 examination (Non-Medical/Medical) with 50% marks from recognized Board /CBSE	Based on PU-CET(UG) Academics :25% PU-CET(UG):75%
M.Sc. Physics under the Framework of Honours School System	40+6 NRI +2 Foreign National	2 Years	B.Sc. (Pass or Hons.) examination of P.U. or any other exam. recognized as equivalent thereto with 50% marks with Physics and Mathematics as elective subjects Or B.Sc (Hons.) in any subject under choice based credit system with 24 credits in Physics as Generic Elective Subject	Based on PU-CET(PG) Academics: 40% PU-CET(PG): 60% In addition, all students after passing B.Sc. (Hons.) in Physics of P.U. will continue for respective M.Sc. (Hons.) Physics.
M.Sc. Physics Specialization in Electronics under the framework of Honours School System	20+3 NRI +1 Foreign National	2 Years	B.Sc. (Pass or Hons.) examination with Physics and Mathematics as elective subjects, Or B.Sc (Hons.) (Electronics), or B.Tech / B.E. (Electronics / Electrical / Mechanical or equivalent) with 50% marks P.U. or any other exam. recognized as equivalent thereto.	Based on P.U.CET(PG) Academics: 40% P.U-CET(PG): 60% In addition, all students after passing B.Sc. (Hons.) in Physics & Electronics of P.U. will continue for respective M.Sc. (Hons.) Physics & Electronics.
Ph.D.	Subject to availability	3-6 Years	See M.Phil/Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD candidates

B.Sc. (Hons. School) Physics (under the frame work of Honours School System Chance based Credit System)

Semester -I		Semester -II	
Paper-1	Mathematical Physics - I	Paper-1	Electricity and Magnetism
Paper-2	Mechanics	Paper-2	Waves and Optics
Paper-3	English/Environmental Science	Paper-3	English/Environmental Science
Paper-4	General Elective Courses (Any two): Mathematics, Chemistry/Biochemistry/ Biophysics, Geology, Statistics, Economics.	Paper-4	General Elective Courses (Any two): Mathematics, Chemistry/Biochemistry/ Biophysics, Geology, Statistics, Economics.
Semester -III		Semester -IV	
Paper-1	Mathematical Physics - II	Paper-1	Mathematical Physics - III
Paper-2	Thermal Physics	Paper-2	Elements of Modern Physics
Paper-3	Digital Systems and Applications	Paper-3	Analog Systems and Applications
Paper-4	* Skill Enhancement Courses (Any one): Physics Enhancement Skills, Computational Physics Skills, Electrical Circuits and Network Skills, Basic Instrumentation Skills, Renewable Energy and Energy Harvesting	Paper-4	* Skill Enhancement Courses (any one): Physics Enhancement Skills, Computational Physics Skills, Electrical Circuits and Network Skills, Basic Instrumentation Skills, Renewable Energy and Energy Harvesting
Paper-5	General Elective Courses (Any one): Mathematics, Chemistry/Biochemistry/ Biophysics, Geology, Statistics, Economics	Paper-5	General Elective Courses (any one): Mathematics, Chemistry/Biochemistry/ Biophysics, Geology, Statistics, Economics
Semester -V		Semester -VI	
Paper-1	Quantum Mechanics and Applications	Paper-1	Electromagnetic Theory
Paper-2	Solid State Physics	Paper-2	Statistical Mechanics
Paper-3&4	Discipline Specific Elective Courses (Any two): Experimental Techniques in Physics, Physics of Resonance Techniques, Classical Dynamics, Medical Physics, Nuclear and Particle Physics, Science of Materials and Nano Systems, Astronomy and Astrophysics, Dissertation	Paper-3&4	Discipline Specific Elective Courses (Any two): Experimental Techniques in Physics, Physics of Resonance Techniques, Classical Dynamics, Medical Physics, Nuclear and Particle Physics, Science of Materials and Nano Systems, Astronomy and Astrophysics, Dissertation.
B.Sc. Specialization in Electronics (under the frame work of Honours School System Chance Based Credit System)			
Semester -I		Semester -II	
Paper-1	Mathematical Physics - I	Paper-1	Electricity and Magnetism
Paper-2	Mechanics	Paper-2	Waves and Optics
Paper-3	English/Environmental Science	Paper-3	English/Environmental Science
Paper-4	General Elective Courses (Any two): Mathematics, Chemistry/Biochemistry/ Biophysics, Geology, Statistics, Economics	Paper-4	General Elective Courses (Any two): Mathematics, Chemistry/Biochemistry/ Biophysics, Geology, Statistics, Economics
Semester -III		Semester -IV	
Paper-1	Mathematical Physics - II	Paper-1	Mathematical Physics - III
Paper-2	Thermal Physics	Paper-2	Elements of Modern Physics
Paper-3	Digital Systems and Applications	Paper-3	Analog Systems and Applications
Paper-4	* Skill Enhancement Courses (Any one): Physics Enhancement Skills, Computational Physics Skills, Electrical Circuits and Network Skills, Basic Instrumentation Skills, Renewable Energy and Energy Harvesting	Paper-4	* Skill Enhancement Courses (Any one): Physics Enhancement Skills, Computational Physics Skills, Electrical Circuits and Network Skills, Basic Instrumentation Skills, Renewable Energy and Energy Harvesting
Paper-5	General Elective Courses (any one):Mathematics, Chemistry/Biochemistry/Biophysics, Geology, Statistics, Economics	Paper-5	General Elective Courses(any one):Mathematics, Chemistry/Biochemistry/Biophysics, Geology, Statistics, Economics

M.Sc. Physics and Electronics (under Honours School System)

Semester -I		Semester -II	
Paper-1	Mathematical Physics-I	Paper-1	Relativistic Quantum Mechanics and Quantum Field Theory
Paper-2	Classical Mechanics	Paper-2	Statistical Mechanics
Paper-3	Quantum Mechanics	Paper-3	Electronics-II/Digital Electronics
Paper-4	Electronics-I: Semiconductor Device and Analog Electronics	Paper-4	Classical Electrodynamics
Paper-5	Physics Laboratory-I & Project	Paper-5	Physics Laboratory-II and Project Work
Paper-6	Computational Technique-I	Paper-6	Computational Techniques-II
Semester -III		Semester -IV	
Paper-1	Microprocessor and Microcontrollers	Paper-1	Advanced Microcontrollers and Microprocessors
Paper-2	Electronics Instrumentation and Power Electronics	Paper-2	Integrated and VLSI Circuit design
Paper-3	Condensed Matter Physics-I	Paper-3	Digital Signal Processing
Paper-4	Nuclear Physics-I	Paper-4	Major Project Work
Paper-5	Particle Physics-I	Paper-5	Special Paper (Any one): Experimental techniques in Physics, Condensed Matter Physics, Nuclear Physics, Particle Physics, Digital Communication, Physics of Nano-materials, Experimental techniques in Nuclear Physics and Particle Physics
Paper-6	Physics Laboratory-III and Project Work		

THRUST AREAS: Nuclear Physics (Experimental), Nuclear Physics (Theory), Particle Physics (Experimental), Particle Physics (Theory), Condensed Matter Physics (Experimental), Condensed Matter Physics (Theory). Other research areas include Astrophysics and Planetary Sciences, Molecular Spectroscopy and Physics Education.

PLACEMENTS: The students pursue career in teaching and research after qualifying CSIR/UGC NET. Students qualify various entrance examination/interviews for pursuing research in premier institutes like IISc, TIFR, BARC, DRDO, ISRO, IMSc, RRI, PRL, IIT and IISER. Students also qualify GATE to pursue professional courses, like M.Tech., MCA, etc. Students also qualify GRE for further studies abroad. Significant number of students go for Post graduation at TIFR, IISc, IMSc, and IITs after qualifying B.Sc (Hons.) from PU. Students are also placed through PU Central Placement cell.

ALUMNI RELATIONS: The Physics Department has an association of its alumni. Annual meeting of the Physics Department Alumni is a regular feature and held in the month of December. It gives a platform to its alumni to share their experiences and also act as motivator for the students of the department.

DEPARTMENT OF STATISTICS

ABOUT THE DEPARTMENT

The Department of Statistics was established in 1964 as a part of Mathematics Department and it has been an independent Department since 1974.

The Department offers M.Sc., M.Phil and Ph.D. Courses in Statistics. The courses are designed to develop analytic and inferential aptitude of the students through theory and rigorous practical assignments along with exposure to practical training during the course of their study.

The Department has been receiving grants under Special Assistance Programme of UGC since April, 2004. At present, the Department is getting financial support from UGC as it has been recognised as DSA (Department under Special Assistance), Phase-III and this shall continue till March 31, 2021. It was a COSIST Department under another UGC scheme, and also a FIST Department under a scheme of the Department of Science and Technology of the Government of India.

It is among one of the active departments in the country carrying out research in the fields of Multiple Comparison Procedures, Reliability and Survival Analysis, Statistical Inference and Applied Statistics (Actuarial Statistics, Bio-Statistics, Econometrics and Income Distributions).

The Department has well equipped Computer laboratory with access to softwares like MINITAB, SPSS, SYSTAT, R, S-PLUS and STATGRAPHICS. The students are given training for usage of R and SPSS for solving their practical assignments. To run the practicals and research work smoothly and without interruption, the department is in possession of a 125 KVA silent DG SET.

Eminent Statisticians from India and other countries keep visiting the Department frequently for delivering lectures and research collaboration. The faculty members attend National and International conferences. Interaction with neighbouring industries in the field of process control and with institutes like PGIMER, GMCH, NIPER, IMTECH and NITTER etc. for providing research consultancy to doctors and researchers is another highlight of the Department of Statistics. The faculty members also collaborate with sister departments for research and data analysis.

The Department of Statistics has an independent Library which has on shelf more than 4000 books and access to more than 30 journals.

FACULTY

Designation	Name	Field of Research Specialization
Professors	Kalpana K Mahajan	Statistical Inference, Applied Statistics, Income Inequality & Lorenz Dominance, Environmental Statistics.
	Amar Nath Gill	Multiple Comparison Procedures, Statistical Inference Applied Statistics.
	Kanchan K. Jain	Reliability, Survival Analysis, Distribution Theory, Actuarial Statistics, Bio-Statistics, Measurement Error Models, Income Inequality
	Sangeeta Chopra	Applied Statistics, Income Inequality & Lorenz Dominance, Environmental Statistics, Statistical Inference
	Narinder Kumar Suresh K. Sharma	Statistical Inference and Multiple Comparison Procedures Biostatistics, Statistical Modeling, Ranking and selection and related estimation problems, Statistical Inference, Applied Statistics, Measurement Error Models
Assistant Professors	Manoj Kumar (Chairperson)	Linear Models, Econometrics
	Anju Goyal	Ranking and Selection Methodology, Multiple Comparison Procedures, Statistical Inference
Programmer	Harminster Singh Deosi	Statistical Programming, Pattern Recognition

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility *	Admission Criteria
M.Sc.	34+5 NRI +2 Foreign National	2 Years	B.A/B.Sc. (General or Honours) with 50% marks in Math/Stat as major subject of Panjab University or any other University recognized by Panjab University as equivalent thereto. OR B.A/B.Sc. (General or Honours) underCBCS with 50% marks in GE Maths/Stats of Panjab University or any other University recognized by Panjab University as equivalent thereto (as per UGC/PU General Guidelines)	Based on PUCET (PG) Academic : 50% PUCET (PG) : 50%
M.Phil.	10 (Maxi.) 05 (Mini.)	1 Year	See M.Phil./Ph.D. Prospectus 2019	
Ph.D.	08	3-6 Years	See M.Phil./Ph.D. Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD candidates

**For calculation of Merit, Marks of other Universities will be normalized to 2400 marks which are 3-years aggregate Marks of B.A/B.Sc. (Gen.) of Panjab University.

***15% weightage will be given to those candidates who have done B.Sc (Hons.) only in the subject of Statistics.

TITLES OF SYLLABI: (Detailed syllabus available at <http://puchd.ac.in/syllabus.php>)

M.Sc. (Statistics)

Semester-I		Semester-II	
Stat-101	Linear Algebra	Stat-201	Numerical Techniques Using C (Theory 1/2, Practical 1/2)
Stat-102	Distribution Theory (Theory 3/4, Practical 1/4)	Stat-202	Estimation and Testing of Hypotheses (Theory 3/4, Practical 1/4)
Stat-103	Statistical Methods with Packages (Theory 3/4, Practical 1/4)	Stat-203	Sampling Theory and Official Statistics (Theory 3/4, Practical 1/4)
Stat-104	Real Analysis	Stat-204	Complex Analysis
Stat-105	Course selected from module	Stat-205	Course selected from module
Semester-III		Semester-IV	
Stat-301	Nonparametric Inference (Theory 3/4, Practical 1/4)	Stat-401	Multivariate Analysis (Theory 3/4, Practical 1/4)
Stat-302	Statistical Process and Quality Control (Theory 3/4, Practical 1/4)	Stat-402	Design and Analysis of Experiments (Theory 3/4, Practical 1/4)
Stat-303	Linear Inference (Theory 3/4, Practical 1/4)	Stat-403	Course selected from module / *Course selected from the sister Dept. under CBCS system
Stat-304	Course selected from module/*Course selected from the sister Dept. under CBCS system	Stat-404	Course selected from module/*Course selected from the sister Dept. under CBCS system
		Stat-405	Project (It will start from Sem.-III and will end in Sem.-IV)
Module		Module	
M -1	Actuarial Statistics	M -7	Operations Research (Theory 3/4, Practical 1/4)
M -2	Categorical Data Analysis	M- 8	Reliability
M -3	Econometrics (Theory 3/4, Practical 1/4)	M- 9	Simultaneous Inference
M -4	Economic Statistics	M -10	Computational Techniques Using R (Theory 3/4, Practical 1/4)
M -5	Advanced Inference (Theory 3/4, Practical 1/4)	M -11	Stochastic Processes
M -6	Measure and Probability Theory	M -12	Survival Analysis

***Math, Physics and Computer Science are the sister department for M.Sc. (Statistics) students under the CBCS System.**

THRUST AREAS: Multiple Comparison Procedures, Reliability and Survival Analysis, Statistical Inference and Applied Statistics (Actuarial Statistics, Bio-Statistics, Econometrics and Income Distributions).

PLACEMENT: Some good companies visit the department for placing students as Analysts and Data Scientists. Prominent among these are Tata Consultancy Services and Annik Technologies.

ALUMNI RELATIONS: The Alumni Association of the department named as **Statistics Students Alumni Reunion (SSAR)** has ninety members. The efforts are on for inclusion of more members. Some alumni are highly placed as IAS, IPS Officers, research officers and analysts. They keep on providing guidance to the department.

CENTRE FOR MEDICAL PHYSICS

ABOUT THE CENTRE

The Centre for Medical Physics was created in 2007, as joint venture of Panjab University and Post Graduate Institute of Medical Education & Research (PGIMER), Chandigarh, to utilize technology dependent specialties coming out of the new scientific innovations for the immediate need of the society, i.e. good health. Medical Physics is an established clinical specialty with wide ranging applications in Radiotherapy Planning and treatment. It can be defined as embracing all applications of radioactive sources in the treatment of cancerous and non cancerous diseases. The students of Medical Physics discipline gain knowledge about different equipments used in Radiotherapy planning and treatment and their quality assurances. Medical Physicists play a leading role in the areas of radiation safety and development of instrumentation/technology for use in radiation therapy and diagnostic radiology. There is an ample scope for research in the area of medical

physics. Atomic Energy Regulatory Board (AERB) is the regulatory body for the M.Sc. Medical Physics Course. The syllabus of Medical Physics course has been designed in such a way that it shall make the student a competent Medical Physicist, Researcher, Radiation Safety Officer and Teacher after qualifying this course. In addition a certification for the Radiation Safety Officer (Level-III) from the Atomic Energy Regulatory Board (AERB) to the students is mandatory for them to be qualified in running the radiation facilities independently and handling of the treatment of patients.

FACULTY

Particular	Name	Field of Research Specialization
Assistant Professor	Vivek Kumar (Chairperson)	Experimental Nuclear Physics and Medical Physics

Courses Offered (SEMESTER SYSTEM):

Course	Seats*	Duration	Eligibility	Criteria
M.Sc.	10+ 2 NRI	3 years	B.Sc. (Regular course) first class with Physics subject (studied for three years) and Mathematics as one of the subject (studied for minimum two years) from a recognized university. The candidates who studied B.Sc. through correspondence and open university stream are not eligible.	Based on P.U.C.E.T. (PG)Academics: 40% P.U. C.E.T. (PG): 60% and other admissible weightages.
Ph.D.	Subject to availability of seats	3-5 years	See M.Phil/Ph.D. Prospectus-2019.	

* There are no additional seats as mentioned in Handbook of Information-2019.

Titles of Syllabi: Detailed syllabi available online at <http://puchd.ac.in/syllabus.php>.

M.Sc. (Medical Physics)

Semester-I		Semester-II	
Paper 1 Cytology and Fundamental Anatomy of Human Body	Paper 2 Radiation Detection and Measurements	Paper 1 Basic Physiology and Cancer Biology	Paper 2 Analog and Digital Electronics
Paper 3 Radiation Physics	Paper 4 Radiation Biology	Paper 3 Applied Mathematics, Biostatistics and Computer Applications	Paper 4 Bio-Medical Applications of Radioisotopes
Semester-III		Semester-IV	
Paper 1 Radiotherapy Equipments and Quality Assurances	Paper 2 Medical Imaging Equipments and Quality Assurances	Paper 1 Brachytherapy Treatment Planning and Radiobiological Models	Paper 2 Clinical Dosimetry and Standardization
Paper 3 Basics of Radiation Dosimetry	Paper 4 Teletherapy Treatment Planning	Paper 3 Principles of Radiation Protection and Radiation Safety	Paper 4 Recent Advances in Radiotherapy and Special Techniques
Third Year Internship with Dissertation			

THRUST AREAS: External Beam radiotherapy, Brachytherapy, Radiobiology, Radiation Protection.

PLACEMENTS: The Centre for Medical Physics has 100% placements in the medical institutions/universities, accelerator/reactor laboratories. Our students have got placements in the medical institutions like PGIMER (Chandigarh), Govt. Medical College (Chandigarh), Institute of Liver and Biliary Sciences (New Delhi), IGMC (Shimla) and many other hospitals in the country. Students are also pursuing Ph.D. in India and Abroad.

ALUMNI RELATIONS: The alumni are invited to participate to celebrate International Day of Medical Physics every year on 7th November on the occasion of birthday of Nobel Laureate Marie Curie. It gives a platform to its alumni to share their experiences and also act as motivator for the students of the Centre.

DEPARTMENT OF MICROBIAL BIOTECHNOLOGY**ABOUT THE DEPARTMENT**

The department was founded as 'Centre for Microbial Biotechnology' at Panjab University in July 2008 under the aegis of

"Centre for Emerging Areas in Science and Technology", with the aim of catering to the needs of the Biotechnology industry. Over the years, the centre has evolved and transformed into a full-fledged independent department of the University. Currently, it is running from South Campus, Near Dental College, Sector- 25, Panjab University, Chandigarh. The department runs Master's and Doctoral degree program.

The M.Sc. program of the department has been designed in consultation with the experts from both academia and industries keeping in mind the requirements and challenges of the microbial biotechnology research and its translation into entrepreneurship. The M.Sc. course comprises of four semesters. First three semesters are dedicated to strengthen theoretical and practical foundation while the fourth semester is dedicated to a research project/dissertation and seminars. The Ph.D. program is open to students who would like to do research in relevant fields.

FACULTY

Designation	Name	Field of Research/Specialization
Professor (Re-employed)	Rupinder Tewari	Industrial Microbiology & Biotechnology
Associate Professor	Rohit Sharma (Chairperson)	Industrial Microbiology & Biotechnology
Assistant Professor	Rachna Singh	Medical Microbiology
	Samer Singh	Microbial Biotechnology
INSPIRE Faculty	Indresh Kumar Maurya	Industrial Microbiology

COURSE OFFERED (Semester System)

Course	No. of Seats	Duration	Eligibility*	Admission criteria
M. Sc.	25+2 NRI +1 Foreign National	2 Years	Bachelors degree in any field of biological sciences including Biotechnology	Based on P.U. CET-(P.G.) Academics: 50% PU(CET(PG)): 50%
Ph.D.	Subject to availability	3-6 Years	See M.Phil/ Ph.D. Prospectus 2019	

* 5% Concession in admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF SYLLABI: Detailed course curriculum available at

<http://puchd.ac.in/includes/syllabus/2018/20180808150210-m.sc.microbialbiotechnology.pdf?201910231501>

Semester-I		Semester-II	
Paper-1	MBT-101 Microbial Biodiversity and Physiology	Paper-1	MBT-201 Medical Microbiology
Paper-2	MBT-102 Immunology and Immunotechnology	Paper-2	MBT-202 Molecular Biology
Paper-3	MBT-103 Genetics and Recombinant DNA Technology	Paper-3	MBT-203 Industrial Microbiology-1 (Health, Food, Enzymes)
Paper-4	MBT-104 Microbial Biochemistry and Enzymology	Paper-4	MBT-204 Bioinformatics & Biostatistics
Paper-5	MBT-105 Bioprocess Engineering	Paper-5	MBT-205 Intellectual Property Rights (IPR), Bioethics & Entrepreneurship
Semester-III		Semester-IV	
Paper-1	MBT-301 Advances in Microbial Biotechnology (Genomics, Proteomics, Metabolomics)	Paper-1	MBT-401 Seminar & Tutorials
Paper-2	MBT-302 Industrial Microbiology-II (Environment, Biofuels, Chemicals, Biomass, Protocols)	Paper-2	MBT-402 Dissertation
Paper-3	MBT-303 Bioinstruments and their Applications		
Paper-4	MBT-304 Microbial Identification, Diagnostics & Nanobiotechnology		
Paper-5	MBT-305 Tutorials		

THRUST AREAS: Extremozymes, Antimicrobials, Biofilms, Vaccine Development

PLACEMENTS: Placement process was initiated in the department.

ALUMNI RELATIONS: Many students have qualified national level entrance tests for enrolment in Ph.D. and pursuing Ph.D. programme few of them doing Ph.D. overseas. Two students have joined corporate jobs; three students have established their own start-up companies.

CENTRE FOR NANO SCIENCE AND NANOTECHNOLOGY (U.I.E.A.S.T.)

ABOUT THE CENTRE

The Centre for Nanoscience and Nanotechnology (CNSNT) came into existence in the year 2005 offering M.Tech. (Nano Science and Nano Technology) degree program by the University Centre for Instrumentation Micro-electronics (UCIM) and has grown into an independent Centre under the renewed initiative of University Institute for Emerging Areas in Science and Technology (UIEAST) by Panjab University. Currently, CNSNT is placed under the aegis of Department of Physics, Panjab University.

The centre offers two years M. Tech. degree in Nano Science and Nano Technology and Ph.D. programs in multidisciplinary subjects. The centre also offers hands-on training on various advanced Characterization techniques in house and the other nearby institutes and central facilities from Sophisticated Analytical Instrumentation Facility (SAIF) of Panjab University. Experiments are carried out to analyze samples using various relevant advanced level instruments related to Nanoscience such as Transmission Electron Microscope (TEM) Scanning Electron Microscope (SEM), X-ray Diffraction (XRD), Atomic force Microscope (AFM) and various other instruments like Fourier Transform infra-red Spectroscopy (FT-IR), UV-visible spectroscopy, Hall effect Measurement, Laser Desorption/Ionization Mass Spectrometer, Chemical Vapor Deposition and RT-Sputtering, Cyclic Voltammetry for electrochemistry, Surface Enhanced Raman Spectrometer (SERS). Students also get ample opportunity in fabrication of few devices like solar cells, memory device, sensor and processes like thin film deposition, growth of 2D and 3D nanomaterials. Faculties of various science and engineering departments of Panjab University participate in teaching and research activities at CNSNT. Special invited lectures are also organized involving faculties and scientists from Institute of Nano Science and Technology (INST)- Mohali, CSIR-Central Scientific Instruments Organisation (CSIO)- Chandigarh, Indian Institute of Science Education and Research (IISER)- Mohali, etc. The focus of the centre is to impart conceptual and up to date knowledge of nanoscience and nanotechnology, along with hands-on training on various advanced instrumentation techniques for nanomaterials synthesis and characterization. CNSNT strives to create much needed world class infrastructure facilities for innovative research and training at the industry-academia interface.

CNSNT has also close collaborative research program and arrangements to avail infrastructure facilities from major national scientific research institutions in the country like INST (Mohali), IISER (Mohali), NPL (Delhi), IITs (Ropar, Delhi and Mumbai), IISc (Bengaluru), CSIR Laboratories (CSIO, IMTECH-Chandigarh), NIPER (Mohali), and IHBT (Palampur). The centre has signed MOUs with INST, Mohali and Saitama University, Japan for research collaboration and exchange visit to augment the research and developmental activities and students' participation. CNSNT is also one of the participant departments of BRICS (Brazil, Russia, India, China and South Africa) network universities. CNSNT aims to become one of the leading academic centres in research and innovation through proactive collaborations with premier research institutes worldwide and by actively participating in cutting edge research in nanoscience and concomitant technological developments in focused areas like optoelectronics, nanoelectronics, biosensing, drug delivery, solar energy harvesting, environment, and healthcare. The centre also encourages participation of industries by creating state of the art infrastructure facilities for relevant industrial research, creating an atmosphere for time bound delivery, promoting entrepreneurship, and generating skilled manpower in allied domains.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Navdeep Goyal	Condensed method physic
	(Coordinator) S.K. Tripathi	Thin film, nanomaterials & device fabrication
Associate Professor	(Co-coordinator) Sunil Kumar Arora	Synthes and characterization of novel nano-materials, Nano-magnetism, Nano-electronics, Spin-electronics, Epitaxial growth using MBE and sputtering, Nanofabrication, Engineering nanoscale defects, 2D-layered materials (graphen and transition metal dichalcogenides) synthesis and hetero-interfaces devices
	Assistant Professors	Jadab Sharma
	Vikram Singh (On leave)	Nanostructured assemblies for Anion sensing framework of framework structures
	Dr. Akash Katoch	Advance functional nanomaterials for chemical gas sensors, chemosensors and energy storage device applications.
	Richa Rastogi Thakur (Temporary appointment)	Nano materials based biosensors for healthcare applications

COURSE OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.Tech (Nanoscience and Nanotechnology)	15+3NRI +1 Foreign National	2 Years	Must have qualified GATE Bachelor's degree (4-years after 10+2) in Engineering/Technology, i.e. B.E./ B.Tech (in any branch) OR degree in Physics / Chemistry/ Biophysics / Biochemistry / Microbiology/Biotechnology/Nano-Science/ Electronics with minimum 50% marks in the aggregate.	Merit based on GATE score and if the seats are not completely filled, candidates without GATE will be allowed on the Basis of Academics merit.
*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates				

M.Tech. (Nanoscience & Nanotechnology)

Semester-I		Semester-II	
MNT6101	Foundation of Nanoscience Quantum and Statistical Mechanics	MNT6201	Chemistry of Nanomaterials and Fabrication
MNT6102	Basics of Biology and Biotechnology in Nanoscience & Nanotechnology	MNT6202	Nano-biotechnology
MNT6103	Foundation of Nanoscience-Physical chemistry aspects	MNT6203	Physics of Nanomaterials
MNT6104	Synthesis and Characterization of Nano-materials	MNT6204	Semiconductor Devices in Nanoscience & Nanotechnology, MEMS and NEMS
MNT6105	Scientific Computation and Simulation in Nanoscience & Nanotechnology-1	MNT6205	Carbon Nanotube, its Functionalization and Nanofluidics
MNT6106	Laboratory-1	MNT6206	Laboratory-II
		MNT6207	Scientific Computation & Simulation-1
Semester-III		Semester-IV	
MNT7101	Nano-electronic Devices	MNT7201	Major Project & Thesis
MNT7102	Nanocomposites: Structure Properties & Performance	MNT7202	Seminar
MNT7103	Project & Thesis Preliminary		
MNT7104	Laboratory-III		

THRUST AREAS

- 2D-Layered materials, Graphene based Devices, Transition Metal Dichalcogenides for Photovoltaic, Optoelectronics, and biosensing applications.
- Development of third generation solar cells and electrodes using interconnect material.
- Plasmonic properties of anisotropic metal nanostructures.
- Use of nanomaterial in chemosensors and biosensors, nanoparticles in immunodiagnostics, carbon nanotubes and their healthcare applications, metallic nanoparticles for pesticide and contaminants detection, design of polymer nanocomposites.

CENTRE FOR NUCLEAR MEDICINE**ABOUT THE CENTRE**

Nuclear medicine is a medical specialty concerned with the use of safe and small amounts of radioactive materials for diagnostic, therapeutic, and research purposes. More specifically, nuclear medicine is a part of molecular imaging because it produces images which reflect biological processes that take place at the cellular and subcellular levels. Though there are many diagnostic techniques currently available, nuclear medicine uniquely provides information about both the structure and function of virtually every major organ system within the body. It is this ability to characterize and quantify physiologic function which separates nuclear medicine from other imaging modalities, such as x-ray, MRI and ultrasound. A typical nuclear medicine study involves the administration of a radionuclide into the body in order to obtain images of the organs,

to perform various body function studies and to treat diseases.

Nuclear medicine experts designated as Nuclear Medicine Physicists are highly skilled individuals and their responsibilities include performing in vivo, radiation safety and quality control procedures. Other responsibilities which include operating the cameras that create images including patient positioning and processing the data for research purposes. The discipline of nuclear medicine also produces dedicated scientists who develop radiopharmaceuticals/radioisotopes for the imaging of organs and therapies.

Vision and mission of the Centre

Nuclear medicine is an emerging area in medicine and is growing at a fast pace in India and there is an urgent need for trained human resource as medical physicists and radiation safety officers for running nuclear medicine departments and industries that use radioisotopes. Therefore, the centre shall provide trained manpower to cater the needs of various hospitals, medical colleges/Institutes and Industry in India and abroad. The mission of the M.Sc. Nuclear Medicine Programme at Panjab University is to provide the students an opportunity to achieve expertise both in diagnostic imaging and therapeutics with clinical hands on experience in Nuclear Medicine. The Centre imparts a quality education leading to the award of degree in Masters of Science in Nuclear Medicine and train the students for national/international eligibility test to be designated as certified Radiation safety officers and medical physicists.

Unique features of the course

Panjab University is the second institution after AIIMS to start M.Sc. Course in Nuclear Medicine, which is approved by Atomic Energy Regulatory Board of India. The course is being conducted jointly with Department of Nuclear Medicine, PGIMER, Chandigarh and the students get ample opportunity for hands on clinical training.

FACULTY

Designation	Name	Field of Research Specialization
Assistant Professor	Vijayta D. Chadha (Chairperson)	Radiation biology and Radiopharmacy

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.Sc.	10+2 NRI +1 Foreign National	2 Years	Minimum qualification for admission to M.Sc. 1st year in Nuclear Medicine Shall be B.Sc. degree will at least 50% marks in Nuclear Medicine or Biophysics from a recognized university or B.Sc. degree from a recognized university with Physics and Chemistry as core (Non-Medical stream) or Chemistry and Zoology / Biotechnology as core subject (Medical stream). Candidates with B.Sc. in X-ray / Medical Technology, B.Sc. through correspondence and open University stream are not eligible.	Based on PU-CET(PG) Academics : 50% PU-CET(PG): 50%
Ph.D.	Subject to availability	3-6 Years	See M.Phil/Ph.D Prospectus 2019	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD candidates

**There are no additional seats as mentioned in Handbook of Information - 2019

TITLES OF SYLLABI : (Detailed course curriculum is available at [www.http://nuclearmedicine.puchd.ac.in/](http://nuclearmedicine.puchd.ac.in/))

M.Sc.

Semester- I		Semester-II	
Paper-1	Human Anatomy and Cell physiology	Paper-1	Human Physiology, Immunology and Cancer Biology
Paper-2	Radiation Physics and Applied Mathematics	Paper-2	Electronics, Biomedical instrumentation and Techniques
Paper-3	Radiation Biology and Chemistry	Paper-3	Biostatistics and Computer applications in Nuclear Medicine
Paper-4	Radiation Detection and Measurements	Paper-4	Medical Applications of Radioisotopes

Semester- III		Semester-IV	
Paper-1	Nuclear Medicine Instrumentation	Paper-1	Medical Cyclotron, PET/CT & Allied Instrumentation
Paper-2	Radiological Protection & Dosimetry-I	Paper-2	Radiological Protection & Dosimetry-II
Paper-3	Principles and practice of Radiopharmacy	Paper-3	Nuclear Medicine Imaging & Radionuclide Therapy
Paper-4	Nuclear Medicine Imaging and Non-Imaging Procedures	Paper-4	Recent advances in Nuclear Medicine.

THRUST AREAS: To educate individuals to become high quality nuclear medicine technologists and Radiation safety officers. To provide a complete, up-to-date competency-based curriculum. To fulfill the need for nuclear medicine technologists in the local and regional communities.

PLACEMENTS: 100% placement of students as Medical physicists and Radiological safety Officers with a starting package of 5-7 lakhs per annum. Alumni working with nation renowned institutes/hospital viz PGIMER, Chandigarh; AIIMS, New Delhi; CMC, Ludhiana Oswal, Ludhiana; Tata Memorial Hospital, Mumbai; Rajiv Gandhi Cancer Speciality Hospital, Delhi; Baba Farid University, Faridkot; Safdarjung Hospital, Delhi; Max Hospital, Chandigarh

ALUMNI RELATIONS: Centre for Nuclear Medicine got the first Batch of M.Sc. Nuclear Medicine passed out in 2009. Till now, 10 Batches have Nuclear Medicine passed out after completion of M.Sc. degree and therefore, the Centre is now planning to form a formal Alumni Association of Centre for Nuclear Medicine so as to keep updated information/record about the Alumni placements and to organise Alumni meets/events regularly.

CENTRE FOR PUBLIC HEALTH

ABOUT THE CENTRE

Panjab University is running Master in Public Health since year 2007 under UIEST to cater with the emerging needs of the country to produce trained manpower for handling public health issues. Public Health is emerging as one of the most significant areas as health of the citizen is important resource and asset of a nation. Major advances in improvement of health over the next decade will be through the development and application of preventive programmes. Health service delivery systems are undergoing rapid changes. It is important to prepare a task force of experts in domain of public health. This course is being offered to prepare Public Health professional and to strengthen capacity of various Health Organization.

FACULTY

Designation	Name	Field of Research Specialization
Associate Professor	Savita Prashar	Biochemistry
Assistant Professor (Temporary)	Manoj Kumar (Co-ordinator)	Public Health

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
Master in Public Health	17+2NRI + 5 in-service** +1 Foreign National	2 Years	Bachelor's degree in any discipline with at least 50% marks from recognized University / Institute.	Based on PU-CET (PG) Academics : 50% PU- CET(PG) : 50%
Ph.D	Subject to availability	3-6 Years	See M.Phil/Ph.D Prospectus 2019	

*5% concession is admissible in eligibility marks to SC/ST/BC/PwD candidates

**Only regular employees in Government organization and having at least one year service experience to be admitted under "In-Service" category. The Candidate has to produce "No Objection Certificate" at the time of admission. In case non-availability of in-service candidates the seats will be converted into General Category

TITLES OF SYLLABI (Detailed syllabus available at <http://puchd.ac.in/syllabus.php>)

Master in Public Health

Semester- I		Semester- II	
Paper I	Basic Concepts in Public Health	Paper I	Biostatistics
Paper II	Basic Epidemiology-I	Paper II	Occupational Health and Safety Management

Paper III	Maternal and Child Health	Paper III	Survey Methods
Paper IV	Basic Computing and Research Methodology.	Paper IV	Public Health in Emergencies, Disasters and Conflicts
Paper V	Open Elective – Environment Health	Paper V	Open Elective -Genetics and Public Health OR Global Health
Paper VI	Basic Concepts in Life Sciences OR Basic Concept in Social Sciences		
Semester- III		Semester- IV	
Paper I	Basic Epidemiology-II	Paper I	Public Health Law, Ethics and Human Rights
Paper II	Health Economics and Service Planning	Paper II	Health Education and Counseling
Paper III	Health Informatics	Paper III	Dissertation
Paper IV	Elective-Health for Special Groups OR Public Health in India and World Internship Dissertation		
Paper V	Intership/community outreach activities Synopsis		

THRUST AREAS: Health Service, Health Promotions, Health Education, Epidemiology, Environmental Health, Nutrition.

PLACEMENTS: Off Campus Placement

ALUMNI RELATIONS: First Alumni meet was held on 07th May, 2016. 2nd Alumni meet was held on 14th April, 2018

CENTRE FOR STEM CELL TISSUE ENGINEERING & BIOMEDICAL EXCELLENCE

ABOUT THE CENTRE

The centre offers two years (four semesters) M.Sc. degree course in Stem Cell & Tissue Engineering. This course was started in 2008 and is intended for graduate students interested in pursuing their careers in the field of stem cell biology. This course will cover the most current knowledge of the principles of stem cell biology, tissue engineering, developmental biology, molecular signaling, genomic, epigenomic & non-genomic regulatory pathways together with immunology, genetics, human anatomy & physiology.

The course curriculum has been designed to provide strong emphasis on experimental training to the students. During the first three semesters students will be imparted strong theoretical and practical trainings. In the fourth semester students will be trained to handle the research work related to the field. They will also be trained to write the projects, make presentations in the form of seminars and journal clubs along with the training in the Research methodologies. A continuous evaluation will be followed.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Sanjeev Puri	Renal Tissue Engineering & Molecular Biology of Renal Pathophysiology
Assistant Professors	Seemha Rai (Chairperson) Anuj Gupta (<i>ad-hoc</i>)	Cancer Stem Cells Biochemistry & Cell and Molecular Biology

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.Sc.	15+ 2 NRI +1 Foreign National	2 Years	Students securing 50% marks in B.Sc. General/ Life Sciences/Basic Medical Science/Engineering (Biotech / Biomedical) / Pharmaceutical / Biotechnology / Dentistry / Medical Laboratory Technology are eligible to apply for the admission to M.Sc. in Stem Cell & Tissue Engineering.	The admission will be based on the departmental level Entrance Test as per Panjab University admission rules & regulations.

Ph.D	Subject to availability of seats	3-6 Years	See M.Phil/Ph.D Prospectus 2019	As per University rules, the admission to Ph.D. Programme shall be through Entrance Test conducted by Panjab University or qualified UGC-NET/CSIR (JRF) Examination/SLET/GATE/Teacher Fellowship holders/direct awardee of fellowship by DST (INSPIRE), ICMR or any other national agency.
* 5% Concession in admissible in eligibility marks to SC/ST/BC/PwD Candidates				

TITLES OF SYLLABI : (Detailed syllabus available at <http://puchd.ac.in/syllabus.php>)

M.Sc.

Semester-I		Semester-II	
Paper-1	Human Anatomy and Physiology	Paper-6	Histology
Paper-2	Cell Culture & Cell Technologies	Paper-7	Immunology & Immunogenetics
Paper-3	Genomics & Proteomics-I	Paper-8	Stem Cell Biology-I
Paper-4	Cell and Molecular Biology	Paper-9	Genomics & Proteomics-II
Paper-5	Cell and Molecular Techniques	Paper-10	Tissue Engineering-I Biomaterials
Semester -III		Semester -IV	
Paper-11	Developmental Biology	Paper-16	Stem Cell Research Methodology
Paper-12	Stem Cell Signal Transduction & Epigenetic Mechanisms	Paper-17	Biostatistics and Computational Approach
Paper-13	Stem Cell Biology-II	Paper-18	Journal Club/Seminar Club
Paper-14	Stem Cell Translational & Ethics	Paper-19	Thesis/Project reports; Viva voce Examination
Paper-15	Xenoantigens and Stem Cells		

THRUST AREAS: Renal Tissue Engineering & Molecular Biology of Renal Pathophysiology, cancer stem cell, stem cell differentiation and niche, toxicologic studies and kinetics.

PLACEMENTS: Students are placed in academia as well as industry. In academia, students are pursuing higher studies at prestigious institutes worldwide viz. Rosewell Cancer Institute, State University of New York, Buffalo, USA; University School Medicine; University of Manchester, UK; Monash University Australia; ICGEB, New Delhi etc. and at industry level students are currently placed at various companies viz. Parexel International; Cordlife India, Glaxo Smith Kline; MDR Labs etc.

ALUMNI RELATIONS: The Centre of Stem Cell and Tissue Engineering got the first Batch of M.Sc. (Stem Cell and Tissue Engineering) passed out in 2010. Till now ten batches have been passed out and two are currently pursuing their M.Sc. degree and therefore the Centre has already made an Alumni Association of Stem cell & Tissue Engineering and a Stem Cell Society. The Centre is keeping an updated information/record about the Alumni placements and is planning to organize Alumni meets/events regularly.

CENTRE FOR SYSTEMS BIOLOGY & BIOINFORMATICS

ABOUT THE CENTER

The Centre of Systems Biology & Bioinformatics was established at Panjab University, Chandigarh in 2007. The emerging field of computational and systems biology represents an integration of concepts and ideas from the biological sciences, engineering disciplines, and computer science. Systems modelling and design are well established in engineering disciplines but are relatively new to biology. Advances in computational and systems biology require multidisciplinary teams with skill in applying principles and tools from engineering and computer science to solve problems in biology and medicine.

The curriculum of the 2 year M.Sc. course of Systems Biology and Bioinformatics has a strong emphasis on foundational material to encourage students to become creators of future tools and technologies, rather than merely practitioners of current approaches. Areas of active research in this field include computational biology and bioinformatics, gene and protein networks, molecular biophysics, instrumentation engineering, cell and tissue engineering, predictive toxicology

and metabolic engineering, imaging and image informatics, nanobiology and Microsystems, biological design and synthetic biology, neurosystems biology and cancer biology.

The Centre has also started Ph.D. Programme and at present five students are pursuing their Ph.Ds.

FACULTY

Designation	Name	Field of Research Specialization
Assistant Professors	Ashok Kumar (Chairperson)	Cancer Biology and Genomics Network Biology data analytics
	Tammanna R. Sahrawat	Conformational studies of peptides using ab-initio quantum mechanics based approaches; Homology modelling, functional characterization of proteins; Sequence based phylogenetic clustering and structure prediction; Toxicology
	Veena Puri	Neuronal Cell biology, Proteomics and Microarray data analysis

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.Sc.	13+2NRI +1 Foreign National	2 Years	Bachelor's degree Science (General or Hons.) with Bioinformatics, Biotechnology, Biochemistry, Biology, Botany, Chemistry, Electronics, Genetics, Life Science, Mathematics, Mathematics & Computing, Microbiology, Physics, Statistics, Zoology, Agriculture, Computer Science, Engineering, Medicine, Pharmacy and Veterinary Science	Based on PU-CET(PG) Academics: 50% PU-CET(PG):50%

* 5% Concession in admissible in eligibility marks to SC/ST/BC/PwD Candidates

Title of Syllabi

Semester -I		Semester -II	
Paper Code	Title	Paper Code	Title
MSBB-101	Biophysical Chemistry of Biomacromolecules	MSBB-201	Spectroscopic Methods in Structural Biology
MSBB-102	Metabolomics and Metabolic Pathway Engineering	MSBB-202	Genomics and recombinant DNA technology
MSBB-103	Basic Concepts in Mathematics (For students with Biology Background)	MSBB-203	Computational Methods of Sequence Analysis and Biomacromolecular informatics
MSBB-104	Basic Concepts in Biology (For students with Non-Biology Background)	MSBB-204	Programming in C++ and PERL
MSBB-105	Biostatistics	Practical-210	Based on MSBB201
MSBB-106	Data Management and Biological Databases	Practical-220	Based on MSBB202
Practical-110	Based on MSBB101	Practical-230	Based on MSBB203
Practical-120	Based on MSBB102	Practical-240	Based on MSBB204
Practical-150	Based on MSBB105	Seminar	On (i) (a) Data bases and Bioinformatics tools on the internet (b) Modeling tools-Visualization and genome matrix (c) Solving of structures using different softwares (ii) Journal Club
Prac-160	Based on MSBB106		
Semester-III		Semester-IV	
MSBB-301	Computation Cell Biology I	MSBB401	Computation Cell Biology II
MSBB-302	Systems Biology	MSBB402	Chemoinformatics
MSBB-303	Proteomics and Systems Biology	MSBB403	Advance Bioinformatics and Nanotechnology
MSBB-304	Molecular Modeling and Computer aided Drug Design		Project Work and Oral Presentation

Practical-310 Based on MSBB301
 Practical-320 Based on MSBB302
 Practical-330 Based on MSBB303
 Practical-340 Based on MSBB304
 Seminar On (i) (a) AMBER & Molecular dynamics, (b) E-cell (c) PyBio-S (d) System Biology benchworks
 (ii) Journal Club

THRUST AREAS: (I) Statical Modelling, Biostatistics and Bioinformatics (ii) Cancer Biology and Genomics (iii) Conformational Studies and Sysbiomic (iv) Microarray data analysis.

PLACEMENTS: The Centre has its own placement cell and we approach different companies for placements of our students. Some students get jobs in Pharmaceutical industries like Quantum Solution, Panacea Biotech etc. Many others opt for Ph.D. programme and Research Projects after completing M.Sc. in our own Centre as well as in adjoining institutes like IMTECH, PGIMER etc.

ALUMNI RELATIONS: Since the Centre of Systems Biology & Bioinformatics was established at Panjab University, Chandigarh in 2007 and we are in the process of forming a strong data base for our Alumni.

DEPARTMENT OF ZOOLOGY

ABOUT THE DEPARTMENT

The Department of Zoology was established at Lahore in 1906 and later shifted first to Hoshiarpur after the partition of country and then to Chandigarh in July 1960. The department provides excellent opportunities to students who can acquire training and degree in Zoology through B.Sc. (Honours), M.Sc. (Honours) and Ph.D. programme. The department has been organizing, seminars, symposia, workshops, field trips and other extra curricular activities from time to time for overall development of the young students.

The Department was awarded Centre of Advanced Studies (CAS-I) by the UGC from April 2007 to April 2012 under the thrust area of Biodiversity: Cell and Molecular Biology with a grant of Rs. 78.25 lacs. The UGC upgraded the department in 2015 to the level of CAS-II for five years with a financial assistance of Rs. 161.55 lacs and two research fellows. The Department was also recognised by the Department of Science and Technology in 2013 under its FIST programme and sanctioned a grant of 1.10 crores for 5 years. With this grant a flow cytometry laboratory was established with the most sophisticated LSR Fortessa Cell Analyzer.

The Department is running research projects Worth Rs. is 4.29 Crore, funded by different agencies like CCRH, DST (SERB) and UGC. The department has central sophisticated laboratories well equipped with scientific instruments such as Real Time PCR, 2D Gel Electrophoresis, Ultracentrifuge, HPLC etc.

Some of the major areas of research of the faculty members are Parasitology, Parasitic therapeutics, Cytogenetics, Human genetics, Stem cell therapy, Molecular biology, Immunology, Environmental toxicology, Systematic Entomology, Applied Entomology, Molecular genomics, Reproductive physiology, Aquatic biology, Wet land Ecology, Fish and fisheries, Fish neurotoxicology and Fish biomaterials.

The Department has a computer lab. for routine work as well as for accessing research related data for students. The Department library is stocked with highly informative text and reference books in addition to national and international journals. The Department houses two state of the art museums having more than 5000 specimens covering the whole Animal Kingdom. The museum boasts of an extensive collection of skeletons, mounted animals and specimens preserved in formalin. The museum is well curated with maintained stock registers listing the scheduled and non scheduled animals as defined under wildlife (Protection) Act, 1972. The Department is maintaining an Apiary of European honeybee, *Apis mellifera* which serves as a model to acquaint and encourage the students towards self-employment potential of Applied Zoology. The Department arranges Educational-cum-Marine trip every year for B.Sc. (Honours) final year students in order to acquaint them with marine life.

FACULTY

Designation	Name	Field of Research Specialization
Professors	V.L. Sharma	Cytogenetics
	Sukhbir Kaur	Parasitology, Immunology
	V. K. Walia	Entomology

Associate Professor	Harpreet Kaur (Chairperson)	Parasitology
Assistant Professors	Y.K. Rawal Archana Chauhan Ravinder Kumar Ravneet Kaur Mani Chopra Indu Sharma Vijay Kumar	Fish and Fisheries Molecular Biology, Genomics and Ecology Molecular Skin Biology, Stem Cell Fish Neurotoxicology & Fish Biomaterials & Wetland Ecology Cytogenetics, Cell- Biology, Molecular toxicology Reproductive Physiology, Molecular Biology Human Genetics, Molecular Biology
DST INSPIRE	Ranjana Jaiswara	Entomology

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.Sc.(Hons.) under the frame- work of Honours School System	25+4 NRI +1 Foreign National	3 Years	Passed 10+2 examination with at least 50% marks with Physics, Chemistry, Biology and English.	Based on P.U. Common Entrance Test (U.G.)+ admissible Weightage
M.Sc.(Zoology) under the frame- work of Honours School System	14+2 NRI +1 Foreign National	2 Years	B.Sc. (Pass or Hons.) with 50% marks in the examination of P.U. or any other examination recognized by P.U. as equivalent thereto with Zoology as one of the elective subject OR B.Sc. (Hons.) in any subject under CBCS with 24 Credits in Zoology as Generic Elective subject	Based on P.U. Common Entrance Test (P.G.)+ admissible Weightage
M. Phil.	10	1 Year	See M.Phil/Ph.D Prospectus 2019	
Ph. D.	Subject to availability of seats	3-5 Years	See M.Phil/Ph.D Prospectus 2019	UGC, CSIR - JRF/UGC CSIR -NET/GATE/ M.Phil./Ph.D. entrance test conducted by P.U., Chandigarh

* 5% Concession in admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF SYLLABI (Detailed course curriculum is available at <http://puchd.ac.in/syllabus.php>)

B. Sc. (Honours)

Choice Based Credit System (CBCS) under the framework of Honours School System

Semester-I		Semester-II	
BZO-C1:	Non-Chordates I: Protista to Pseudocoelomates	BZO-C3:	Non-Chordates II: Coelomates
BZO-C2:	Principles of Ecology	BZO-C4:	Cell Biology
BZO-AECC1:	English	BZO: AECC2:	Environmental Science
BZO-C-GE1:	Animal Diversity	BZO-C-GE2:	Human Physiology
Semester-III		Semester-IV	
BZO-C5	Diversity of Chordates	BZO-C8	Comparative Anatomy of Vertebrates
BZO-C6	Physiology: Controlling and Coordinating Systems	BZO-C9	Physiology: Life Sustaining Systems
BZO-C7	Fundamentals of Biochemistry	BZO-C10	Biochemistry of Metabolic Processes
SEC*		SEC*	
BZO-C-GE3:7	Insect Vector and Diseases	BZO-C-GE3:7	Aquatic Biology
Semester-V		Semester-VI	
BZO-C11	Molecular Biology	BZO-C13	Developmental Biology
BZO-C12	Principles of Genetics	BZO-C14	Evolutionary Biology
DSE1**		DSE3**	
DSE2**		DSE4**	

C: Core Courses; GE: General Elective; AECC: Ability Enhancement Compulsory Courses; SEC: Skill Enhancement Courses; DSE: Discipline Specific Elective

***SKILL ENHANCEMENT COURSES (any one per Semester in Semesters 3-4)**

1. BZO-SEC1: Apiculture
2. BZO-SEC2: Aquarium Fish Keeping
3. BZO-SEC3: Medical Diagnostics
2. BZO-SEC4: Research Methodology

****DISCIPLINE SPECIFIC ELECTIVE COURSES (any two per Semester in Semesters 5-6)**

1. BZO-DSE1: Endocrinology
2. BZO-DSE2: Reproductive Biology
3. BZO-DSE3: Wild Life Conservation and Management
4. BZO-DSE4: Animal Biotechnology
5. BZO-DSE5: Fish and Fisheries
6. BZO-DSE6: Parasitology
7. BZO-DSE7: Immunology
8. BZO-DSE8: Biology of Insecta

GENERAL ELECTIVE SUBJECTS (Offered by Zoology Department) *for students of other departments*

Code	Generic Elective Subject	Pre-requisite
BZO-C-GE1:	Animal Diversity	10+2 Biology
BZO-C-GE2:	Human Physiology	10+2 Biology
BZO-C-GE3:	Insect Vector and Diseases	10+2 Biology
BZO-C-GE4:	Aquatic Biology	10+2 Biology

Note: A Department will run a particular Skill Enhancement Course, Discipline Specific Elective Course and General Elective Course only if the minimum number of students opting for that course is 10.

Outlines for Semester II will be same as for Semester-I

M.Sc. (Hons.)

Semester- I		Semester- II	
MZO-MC 1	Advanced Cell Biology	MZO-MC 5	Biology of Vertebrate Immune System
MZO-MC 2	Aquaculture & Fisheries	MZO-MC 6	Methodology & applications of Molecular Biology
MZO-MC 3	Insects Ecology & Physiology	MZO-MC 7	Environmental & Quantitative Biology
MZO-MC 4	Biology of Parasites	MZO-MC 8	Methodology and Instrumentation
Semester- III		Semester- IV	
MZO-MC 9	Animal Physiology	MZO-ME*	Elective -1*
MZO-MC 10	Developmental Biology	MZO-ME**	Elective -2*
MZO-MC 11	Animal Biochemistry		
	Project Report/Dissertation -Minor		Project Report/Dissertation -Major

***Elective 1 will be selected from the options given below:**

- MZO-ME1 Concepts of Parasitology
- MZO-ME2 Economic Entomology
- MZO-ME3 Molecular Cytogenetics
- MZO-ME4 Molecular Endocrinology and Reproductive Physiology
- MZO-ME5 Fish, Fishers and Aquatic Biology

****Elective 2 will be selected from the options given below:**

- MZO-ME6 Animal Cell Culture and its Applications
- MZO-ME7 Biosystematics and Introduction to Bioinformatics
- MZO-ME8 Concepts in Human Genetics and Related Disorders
- MZO-ME9 Metabolic Disorders
- MZO-ME10 Biomaterials and Nanobiology

THRUST AREAS: Fish & Fisheries, Cell & Molecular Biology, Entomology, Parasitology and Reproductive Physiology.

PLACEMENTS: At present the department is coordinating with the Central Placement Cell, Panjab University for placement of students of the department. However, the department is exploring the possibilities for placement of students at graduate, post graduate and post-doctoral levels.

ALUMNI RELATIONS: The department also has an Alumni Association and a Zoological Society. Alumni from this department occupy important positions in academic and administrative areas. The faculty and students are members of the society which caters to academic and extra-curricular needs of its members.

UNIVERSITY INSTITUTE OF FASHION TECHNOLOGY AND VOCATIONAL DEVELOPMENT

ABOUT THE INSTITUTE

University Institute of Fashion Technology and Vocational Development (UIFT&VD) is an in-Campus Institute, established by the Panjab University, Chandigarh in 2007 as a commitment to carry forward its goal of providing trained professionals for the fast growing fashion, apparel, and textile industry in the region in particular and the country in general. UIFT&VD offers a prestigious Five Year Integrated B.Sc. & M.Sc. Degree in Fashion and Lifestyle Technology. The program laid out in a semester system focuses on self sustaining education and training in fashion and lifestyle technology. First three years of the course comprise of Foundation and Core Studies of which sixth semester entails Industrial Training with an option to undertake an Industry or a Design Project. The students are awarded a B.Sc. Degree in Fashion & Lifestyle Technology on the completion of the course. With showcasing a Design Collection and having an insight of the Retail Business of Branded Fashion the course prepares the students for decent earning and self employment.

Two years spent in M.Sc. Fashion & Lifestyle Technology have the students take up across the country visits for Craft Documentation. They undergo extensive specialized research followed by seminars and presentations. An intensive study of Organization and Management Skills required to run a Fashion and Lifestyle Business further prepares the students to find their niche' in the work sphere.

Highly trained and experienced faculty is involved in giving thorough theoretical and practical knowledge inputs to the students. This, along with assistance rendered to lead the students in task based studies helps the young learners to hone their talent to face the challenging requirements of the Fashion Industry.

To move into the global mainstream of intense economic competition and to reckon with requirement of the Fashion Industry of India in totality, the Department liaises with fashion related organizations for guiding the students in handling latest technology. There is regular interaction with experts at Design Studios, Production Houses, Distribution Centres and Retail Establishments as well as the Industry to form a vital bridge between University Institute of Fashion Technology and the larger community. Through an MOU with Nottingham Trent University, U.K. a series of exchanges have begun, giving rise to cross cultural teaching and learning process

The department offers state of the art equipment for hands on experience of the students. A proposed Resource Centre and an Amphitheatre shall take the Institute to the next level in terms of infrastructural facilities.

FACULTY

Designation	Name	Field of Research Specialization
Assistant Professors	Prabhdip Brar (Chairperson)	Apparel Design, Art History & Fine Arts
	Anu H. Gupta	Clothing & Textiles
	Rita Kant	Clothing & Textiles

COURSE OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.Sc	46+6 NRI +2 Foreign National	3 Years	Passed 10+2 Examination with atleast 50% marks in aggregate from CBSE or any other recognized Board.	Based on Aptitude Test** Aptitude Test: 60% Academics: 20% Preference Criteria: 10% Interview: 10%

M.Sc	46+6 NRI +2 Foreign National	2 Years	Passed B.Sc. Fashion & Lifestyle Technology from UIFT, PU. Lateral Entry: Lateral Entry will be allowed in case any seats are left vacant. Eligibility is as under :- Passed B.Sc. (Fashion Designing) examination with at least 50% marks in aggregate from PU, or an examination from any other university recognized as equivalent thereto.	Based on Aptitude Test*** Aptitude Test: 45% Academics: 40% Group Discussion: 05% Interview: 10%
Ph.D.	Subject to availability	3-6 Years	See M.Phil/Ph.D Prospectus 2019	As per UGC/P.U. norms

*5% Concession admissible in eligibility marks to SC/ST/BC/PwD Candidates.

** **For B.Sc. :** Aptitude test will comprise of **(a) General Ability Test :** There will be a written test for analytical reasoning, quantitative aptitude, communication skills in English, General Knowledge and current affairs. **(b) Creative Ability Test :** There will be a practical test of creative skill, freehand drawing, sketching and development of a 3D model for any given theme (material list will be provided in advance so that the candidate can bring their own material for the test). Candidates who have studied Fashion Design / Fine arts subjects in 10+2 will be given 10% weightage in the total marks scored. Candidate must score at least 50% marks in aggregate (Academics exam + Aptitude test + Preference Criteria + Interview).

*****For M.Sc. :** Aptitude test will comprise of **written test** to evaluate general ability and subject knowledge and practical test to evaluate creative ability. **Creative ability test:** Material list will be provided in advance so that the candidates can bring their own material for the test. Group Discussion will be on the topics related to Fashion and Lifestyle Technology.

Candidate must score at least 50% marks in aggregate (Academics + Aptitude test + Preference Criteria + Interview+ Group Discussion).

TITLES OF SYLLABI (Detailed syllabus available at <http://puchd.ac.in/syllabus.php>)

B.Sc.

Semester-I		Semester -II	
Paper-1	English-I (Th.)	Paper-1	English-II (Th.)
Paper -2	Visual Design -I (Practical)	Paper -2	Fabric Technology-II (Th.)
Paper -3	Fine Art & Fashion Illustration-I (Practical)	Paper -3	Fine Art & Fashion Illustration -II (Practical)
Paper -4	Introduction to Sewing Techniques (Practical)	Paper -4	Visual Design -II (Practical)
Paper -5	Fabric Technology-I (Theory)	Paper -5	Pattern Development-I (Pr.)
Paper -6	Creative Techniques (Pr.)	Paper -6	Fabric Handling (Pr.)
Paper -7	Fashion Studies-I (Th.)	Paper -7	Sewing Techniques (Practical)
Paper -8	Computer Graphics-I (Pr.) Lifestyle Management -I/Tutorial	Paper -8	Computer Graphics-II (Pr.) Lifestyle Management II/Tutorial
Semester-III		Semester-IV	
Paper-1	English-III (Th.)	Paper-1	English-IV (Th.)
Paper -2	History of Indian Costumes (Theory)	Paper -2	History of World Costumes (Theory)
Paper -3	Fabric Technology –III (Theory)	Paper -3	Traditional Indian Textiles and Embroideries (Practical)
Paper -4	Project Based Fashion Studies (Practical)	Paper -4	Fabric Technology IV (Practical)
Paper -5	Design Process –I (Practical)	Paper -5	Design Process II (Practical)
Paper -6	Fine Art & Fashion Illustration –III (Practical)	Paper -6	Fine Art & Fashion Illustration IV (Practical)
Paper -7	Advance Pattern Development (Practical)	Paper -7	Advanced Pattern Development and Draping (Practical)
Paper 8	Garment Construction Technology –I (Practical)	Paper 8	Garment Construction Technology II (Practical)
Paper 9	Computer Graphics –III (Practical) Lifestyle Management III/Tutorial	Paper 9	Computer Graphics IV (Practical) Lifestyle Management IV/Tutorial

Semester-V		Semester-VI	
Paper-1	English-V (Th.)	Paper-1	English-VI (Th.)
Paper-2	Fundamentals of Marketing (Th.)	Paper-2	Apparel & Textile Merchandising (Th.)
Paper-3	Communication Through Fashion Journalism (Th.)	Paper-3	Personality & Clothing (Th.)
Paper-4	Quantitative methods for Fashion Technology (Th.)	Paper-4	Fine Art Fashion Illustration & Design Collection VI (Pr.) I. Design Development (Pr.) II. Pattern Development (Pr.) III. Product Development (Pr.)
Paper-5	Basics of Weaving Technology (Pr.)	Paper-5	Computer Graphics VI (Pr.)
Paper-6	Basics of Knitting Technology (Pr.)	Paper-6	Fashion Photography (Pr.)
Paper-7	Fine Art & Fashion Illustration V (Pr.)	Paper-7	Portfolio Making (Pr.)
Paper-8	Pattern Development IV (Pr.)	Paper-8	In plant Training Project & Seminar
Paper-9	Commercial Clothing I (Pr.)		Lifestyle Management VI/Tutorial
Paper-10	Computer Graphics V (Pr.)		
	Lifestyle Management V/Tutorial		
M.Sc.			
Semester-I		Semester-II	
Paper-1	Business Management- I (Th.)	Paper-1	Fashion Business Management- II (Th.)
Paper-2	Research Methodology in Fashion & Lifestyle Technology-I(Th.)	Paper-2	Research Methodology in Fashion & Lifestyle Technology-II (Th.)
Paper-3	Statistical Techniques in Fashion & Lifestyle Technology-I (Th.)	Paper-3	Statistical Techniques in Fashion & Lifestyle Technology-II (Th.)
Paper-4	Textile Testing (Th.)	Paper-4	Textile Chemistry (Th.)
Paper-5	Textile Testing (Pr.)	Paper-5	Textile Chemistry (Pr.)
Paper-6	CAD Fashion Studio-I (Th.)	Paper-6	CAD Fashion Studio-II (Pr.)
Paper-7	*Apparel Core (kids wear) (Pr.) • Design Development • Pattern Development • Product Development	Paper-7	*Apparel Core (Women's wear) (Pr.) • Design Development • Pattern Development • Product Development
Paper-8	Craft Survey & Documentation (Pr.)	Paper-8	Dissertation Seminar-II Development of Research Tools, Selection Of Sample, Research Design and Data Collection. Students Opting for Craft Based Project will do the above with respect to the Craft Product they propose to develop in Semester IV Lifestyle Management VIII/Tutorial
Paper-9	Dissertation Seminar-I Orientation to Writing a Synopsis and Submission of Synopsis Lifestyle Management VII/Tutorial		
Semester-III		Semester-IV	
Paper-1	Industrial Management (Th.)	Paper-1	Entrepreneurship Development (Th.)
Paper-2	Quality Management (Th.)	Paper-2	Pattern for Structured Clothing (Th.)
Paper-3	CAD Fashion Studio-III (Pr.)	Paper-3	Port Folio Development (Pr.)
Paper-4	**Apparel Core (Men's Wear) (Pr.) • Design Development • Pattern Development • Product Development	Paper-4	Dissertation Seminar-IV Report Writing and submission of Dissertation and Prepare of atleast One Research Paper for publication.
Paper-5	Dissertation Seminar-III Orientation and Operational Working of SPSS Software Scoring and Analysis of Data	Paper-5	Submission of Research work (This will include submission of Dissertation and Viva) OR

<p><i>Students Opting for Craft Based Project will do the above with respect to the Craft Product they propose to develop in Semester IV</i></p> <p>Lifestyle Management IX/Tutorial</p>	<p>Exhibition of Craft Based Product Prototypes (Pr.) For Craft Based Project : Brief Reporting of the Process of Development of Products through a Seminar. Lifestyle Management X/Tutorial</p>
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THRUST AREAS: Product & Line Development, Fashion Design, Illustration, Traditional Textile Embroidery, Research Projects, Fashion Event Management, Surface Design, CAD, Textile Technology, Visual Merchandizing, Fashion Forecasting and Media Reporting.

PLACEMENTS: The Department continues to support students by arranging for on-campus and off-campus placements in reputed organizations. Many students opt for self-employment and spring up as successful entrepreneurs. The students who opt for placements are helped in securing good jobs in different organizations of their own choices.

ALUMNI RELATION: Alumni from this department have been suitably employed in academics, industry and many have been able to establish themselves as successful entrepreneurs. They are regularly supporting the department in terms of suggestions from their industrial experience. Many of them visit the department and address students in order to prepare them for their future and help in arranging industrial exposure, training and placements. A facebook page supports the activities of the department where alumini are also members.

XI. Multi-Faculty Departments

DEPARTMENT OF EVENING STUDIES

MULTI DISCIPLINARY RESEARCH CENTRE

ABOUT THE DEPARTMENT

The Department of Evening Studies-Multi Disciplinary Research Centre provides a unique opportunity of learning through interactive teaching to the women, self employed as well as in-service men.

The Department, with its illustrious faculty, functions as a centre for interdisciplinary pedagogy and research and caters to the academic and research oriented aspirations of the undergraduate and postgraduate students.

The DES-MDRC Library is air-conditioned, equipped with digitized catalogue. The Library has, at present approx. 20,000 books.

The DES-MDRC promotes students' participation in cultural activities and organizes national seminars/extension lectures for the benefit of students and faculty. The Department has an air-conditioned state -of -the -art "Principal P.L. Anand Auditorium".

Extracts from the decision of the Syndicate dated 22.02.2006 (Para 34) are reproduced below:-

The criterion of 'employment' as a condition of eligibility for admission to the Department of Evening Studies be understood, interpreted and applied liberally and pragmatically, keeping in mind the social purpose of providing opportunity especially to the underprivileged to upgrade their skills. Accordingly, 'employment' would include not only 'private employment of any kind' but self employment as well. The candidate's own certified that he is so employed or self-employed would, therefore, suffice.

FACULTY

Designation	Name	Field of Research Specialization
Professors	I.D. Gaur	Punjab History & Culture
<i>Re-employed</i>	S.S. Gill	American Novel
Professors	Gurpal Singh	Literary theory, linguistics and Punjabi Fiction
	(Chairperson)	
	Sudhir Kumar	Comparative Literature & Literary Theory
	Keshav Malhotra	Banking and Finance
	Harsukhjait Kaur	Indian Political System and Women studies
	Mahesh Sharma	Early Medieval Indian History
	Neeraj Jain	Fiction (Modern Novel)
	Bhupinder Kaur	Modern Punjabi Poetry
	Vandana Maini	Organizational Behaviour
	Neeraj Sharma	Rural Development
	Suman Makkar	International Economics and Macro Economics
	G.C. Chauhan	Ancient Indian History
	Gurpreet Kaur	Punjabi Culture & Folklore
	Chander Mohan	Punjabi Fiction
Associate Professor	Keerti Vardhan	Combinatorial Topology
Assistant Professors	Amandeep	Dalit Literature, American Literature and Indian Writing
	Amandeep Singh	NIL
	Kusum	Indian Literature
	Simran Kaur	Micro Economics
	Continuing as per the decision of Punjab & Haryana High Court	
Professors	Rehana Parveen	Tanz-o-Mizah Nigari Dr. Safiq-ur-Rehman Ek Mutaliya
	Gauri Sharma	Medieval Indian History
	Mohammed Khalid	Geopolitics of Indian Ocean

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.A.	200+20 NRI +10 Foreign National	3 years	<p>A Candidate who has passed +2 or equivalent examination (or has compartment with at least 20% marks in the compartment subject) conducted by any Board/Body/Council/University in India is eligible to take admission in B.A.-Ist Semester.</p> <p>Provided the candidate has passed English at +2 examination. In cases where passing in English is not necessary according to the regulations of certain Boards/Bodies/ Councils/ Universities in India, the admission of the candidate shall be provisional and will be confirmed only after he /she has cleared the subject of English as a deficient subject from the parent Board/Body/Council/University in two consecutive chances subsequent to his/her admission.</p> <p>Students who have qualified at least 50% of the total no. of papers in B.A. Semester-I & II are eligible to seek admission to B.A. Semester-III.</p> <p>A candidate who has passed his 50% papers upto 4th Semester shall be eligible to seek admission to B.A. 5th Semester.</p>	On Merit Basis.
B.A. (Honours) English Economics Punjabi Political Science History Hindi	One Unit	2 years	<p>A student may offer in the Second year (3rd, 4th Semester) Honours in any of the following elective subjects (English, Economics, Punjabi, Political Science, History & Hindi), provided that he/she has obtained at least 50% marks in the subject of Honours in the 1st & 2nd Semester.</p>	On Merit Basis
B.Com I	70+7 NRI +4 Foreign National	3 years	<p>Admission to B.Com.-Ist semester shall be open to those who have passed +2 or equivalent examination (conducted by a recognized Board/Council/University) with</p> <p>(a) Three of the following subjects securing at least 45% marks in the aggregate.</p> <p>(i) Commerce (or theory of commerce or foundation course in commerce)</p> <p>(ii) Accountancy (or book keeping and accountancy)</p> <p>(iii) Economics</p> <p>(iv) Business Organisation (or Business Management or Theory and Practice of Management).</p> <p>(v) Insurance (or General Insurance or Life Insurance)</p> <p>(vi) Banking and Trade</p> <p>(vii) Commercial Geography</p> <p>(viii) Office Management and Secretarial Practice (or Office Organization and Management)</p> <p>(ix) Mercantile Law (or any Company Law) Auditing</p> <p>(x) Typewriting and Stenography/Computers (for typewriting)</p> <p>(b) Two of the above mentioned subjects securing at least 50% marks in the aggregate, provided the candidate has passed English at +2 examination. In cases where passing in English is not necessary according to the regulations of certain Boards/Bodies/Councils/Universities in India, the admission of the candidate shall be provisional and will be confirmed only after he /she has cleared the subject of English as a deficient subject from the parent Board/Body/Council/University in two consecutive chances subsequent to his/her admission.</p>	On Merit Basis

B.Com (Honours) Banking Economics	One Unit	2 years	A candidate can pursue B.Com. (Honours) course by taking up one paper each in four semesters beginning with 3rd semester in any of the streams offered from time to time. To be eligible to take up honours course a student should have secured 50% marks at the end of Second Semester without reappear in any paper The minimum number of marks required to pass B.Com. (Honours) course shall be 40% in each paper separately as well as jointly with internal assessment and 50% in the aggregate in the University examination.	On Merit Basis
M.A. English	68+7 NRI +3 Foreign National	2 years	A person who has passed one of the following examination from Panjab University or from any other University whose examination has been recognized equivalent to the corresponding examination of this University: 1. A Bachelor's Degree obtaining at least 45% marks in English Elective. 2. A Bachelor's Degree obtaining at least 45% marks in English Compulsory subject. 3. A Bachelor's Degree in any faculty obtaining at least 50% marks in the aggregate. 4. B.A. with Honours in English. 5. B.A./B.Sc. with Honours in subject other than English obtaining at least 50% marks in the aggregate. 6. Master Degree in any other subject obtaining at least 50% marks in the aggregate.	Based on Entrance Test PU-CET(P.G.) The pass percentage in case of Entrance Test in English stand increased to 35% Merit Criteria : Academics: 50% PU-CET(PG): 50%
M.A. Economics	68+7 NRI +3 Foreign National	2 years	Bachelor's degree obtaining at least 45% marks in Economics or 50% marks in aggregate OR B.A. with Honours in Economics or B.Sc.(Hons.) OR Master's degree examination in any other subject. The Weightage for the subject Economics will be given to those who have studied economics as one of their subject at undergraduate level or who have done B.Com. from Panjab University or any other recognized University.	On Merit Basis
M.A. Punjabi	68+7 NRI +3 Foreign National	2 years	Passed one of the following examinations from a recognized University/Institute: Bachelor's Degree obtaining at least 45% marks in the subject of Post-graduate Course or 50% marks in aggregate or B.Sc. (Hons.) OR Masters Degree examination in any other subject provided the candidate has studies Punjabi compulsory at graduate level. Weightage: 1. The 15% weightage will be given to the student those who studied Punjabi as Elective subject at graduate level. 2. The 15% weightage will be given to the student who studied BA (hons) in Punjabi at under graduate level. 3. The 15% weightage will be given those who passed BA (Hons) school in Punjabi at under graduate level. 4. Those who passed elective Punjabi and Hons (both) will be given 20%.	On Merit Basis
M.A. Political Science	68+7 NRI +3 Foreign National	2 years	Passed one of the following examinations from a recognized University: Bachelor's Degree obtaining at least 45% marks in the subject of Political Science, or 50% marks in the aggregate OR B.A. with 45% marks in any social science discipline OR B.A. with (Hons) in the subject of Political Science or B.Sc. (Hons.) OR Master's degree examination in any other subject.	On Merit Basis

M.A. History	68+7 NRI +3Foreign National	2 years	Passed one of the following examinations from a recognized University: Bachelor's degree in any faculty with atleast 50% marks in the aggregate. OR B.A/B.Sc. pass in full subjects obtaining atleast 45% marks in the subject of History. OR B.A with Hons. in History. OR Master's degree in another subject/faculty.	Based on PU-CET(PG) Academics: 50% PU-CET(PG): 50% Pass percentage of Entrance Test :35%
Ph.D in English, Economics, Political Science, Punjabi & History	Subject to the availability of seats	Minimum 3-6 years	See M.Phil/Ph.D Prospectus 2019	

*5 % Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates.

TITLE OF SYLLABI: (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

Subject Combinations for B. A.

- Compulsory subjects: (i) Punjabi or History and Culture of Punjab* (ii) English
- One subject from each of the three groups i.e. from group A, B & C
Group- A (Political Science, Public Administration, Police Administration),
Group-B (Sociology, Sanskrit, History, Mathematics)
Group-C (Economics, English Elective, Urdu Elective, Punjabi Elective, Hindi Elective)
- Environment and road safety education.

*Subject combinations opted by students in the 1st Semester will remain same throughout the entire six Semesters of B.A. Course.

Bachelor of Arts

Name of Paper	Semester-I	Semester-II	Semester -III	Semester -IV	Semester-V	Semester-VI
Political Science	Political Theory-I	Political Theory-II	Indian Government and Politics	Indian Politics	Comparative Political Systems (UK and USA)	International Politics : theory and practice
Public Administration	Administrative Theory	Indian Administration	Personnel Administration (with special reference to India)	Financial Administration (with special reference to India)	Local Government (with special reference to Punjab)	Development Administration (with special reference to Punjab)
Police Administration	Police Administration in India	Constitution of India	Police Personnel Administration	Law and Order Administration	Development Administration (with special reference to Punjab)	Law and Police Administration
Sociology	Fundamentals of Sociology	Sociology Stratification	Social Structure And Social Change	Social Institutions	Society in India	Disorganisation and emerging problems
Sanskrit	Sanskrit	Sanskrit	BhagvadGeeta and Vyakaran	Natak and Vyakaran	Upnishad, Ramayan , Shabdavali and Vyaakaran	LokikKavya , Itihaas , Nibandh and vyakaran
History	History of India upto 1200 A.D.	History of India 1200-1750 A.D.	History of India, 1750-1964 A.D.	History of the Punjab, 1469-1849 A.D.	History of Punjab 1849-1966	World history 18th-20th century
Mathematics	Plane Geometry	Solid Geometry	Advanced Calculus-I	Advanced Calculus-II	Analysis - I	Analysis - II
Economics	Micro Economics	Macro economics	Public Finance and International Economics	Quantitative Methods	Economics of Development	Indian Economy

English Elective	English Elective	English Elective	English Elective	English Elective	English Elective	English Elective
Urdu Elective	Essay and Composition	Prose and Poetry	Prose and Poetry	Novel: EkChadarMaili Si	Urdu Elective	Short story and literary history of Urdu literature
Punjabi Elective	Punjabi Elective	Punjabi Elective	Punjabi Elective	Punjabi Elective	Punjabi Elective	Punjabi Elective
Hindi Elective	Hindi Elective	Hindi Elective	Hindi Elective	Hindi Elective	Hindi Elective	Hindi Elective
Bachelor of Commerce						
Semester-I	Semester-II	Semester -III	Semester -IV	Semester-V	Semester-VI	
Punjabi Or History and Culture of Punjab	Punjabi Or History and culture of Punjab	Interdisciplinary Issues in Indian commerce	Interdisciplinary Security analysis and portfolio management	Income tax law	Direct tax laws	
English and Business Communication	English and Business Communication	Cost Accounting	Advanced Accounting	Management Accounting	Financial Management	
Interdisciplinary Psychology for managers	Interdisciplinary E-commerce	Company law	Auditing and secretarial practice	Indian economy	Issues in financial reporting	
Business Economics-i	Business Economics-II	Business mathematics and statistics	Cost management	Production and operation management	Social and business ethics	
Principles of Financial Accounting	Corporate accounting	Banking and insurance	Marketing management	Entrepreneurship and small business	Operation research	
Commercial Laws	Business laws	Indirect tax laws	Quantitative techniques and method	Financial markets and services	Sectoral aspects of Indian economy	
Principles and practices of Management	Human resource management					
Environment and road safety education*						

M.A. English

	Semester-I	Semester-II	Semester-III	Semester-IV
Paper-1	Literary Criticism I	Literary Criticism II	Literary Theory-I	Literary Theory-II
Paper-2	British Poetry	British Poetry II	Indian Writing in English	Indian Writing in Translation
Paper-3	British Drama I	British Drama II	American Literature-I (opt. iii)	American Literature-II (opt. iii)
Paper-4	British Fiction I	British Fiction II	World Poetry/Novel in Translation(opt.iii)	World Drama in Translation (opt. iii)

M.A. Economics

	Semester-I	Semester-II	Semester-III	Semester-IV
Paper-1	Micro Economics-I	Micro Economics-II	Macro Economics-I	Macro Economics-II
Paper-2	Contemporary Issue in Indian Economy-I	Contemporary Issue in Indian Economy-II	Economics of Growth and Development-I	Economics of Growth and Development-II
Paper-3	Quantitative Methods-I	Quantitative Methods-II	Any two of the option for Paper-III & IV	Any two of the option for Paper-III & IV
Paper-4	Economics of Public Finance	International Economics	opt (i) :Economics of Agriculture-I opt(ii) :Economics of Industry-I	opt(i): Economics of Agriculture-II opt(ii): Economics of Industry-II

M.A. Punjabi

	Semester-I	Semester-II	Semester-III	Semester-IV
Paper-1	Madhkali Punjabi Sahit Da Itihas	Adhunik Punjabi Sahit da Ithas	BhashaVigyan ate Punjabi Bhasha	BhashaVigyan ate Gurmukhi Lipi
Paper-2	Sahit Sidhantte Punjabi Alochana	Adhunik Pachmi Kav Sastra te Vivharik Alochana	Sabhyacharlok dhara ate Punjabi sabhyachar	Punjabi Lokdhara ate Lok Sahit
Paper-3	Punjabi Gurmat Kaav	Madhkali Punjabi Kaa	Adhunik Punjabi Kavita-I	Adhunik Punjabi Kavita-II
Paper-4	Punjabi Novel	Punjabi Novel da Adhiyan	Punjabi Natak ate Rangmanch da Adhyan-I	Punjabi Natak ate Rangmanch da Adhyan

M.A. Political Science

	Semester-I	Semester-II	Semester-III	Semester-IV
Paper-1	Western Political Thought-I	Western Political Thought-II	Indian Political Thought-I	Indian Political Thought-II
Paper-2	Key Concepts in Political Analysis	Comparative Politics-I : Understanding Advanced Industrial Societies	Comparative Political System with Special reference to USA, UK, China & Switzerland	Foreign Policy of India
Paper-3	Indian Political System	Indian Politics	International Organization (opt.a)	Parties and Electoral Politics in India (opt. A)
Paper-4	International Relation: An Historical overview	Approaches to the study of International Relation	Public Administration (opt.h)	Introducing Federalism (opt.e)

M.A. History

	Semester-I	Semester-II	Semester-III	Semester-IV
Paper-1	Ancient India: An Overview	Agrarian Economy of Ancient India	Punjab in the Nineteenth Century	Punjab in Twentieth Century
Paper-2	Medieval India: Political Processes	Punjab in the Eighteenth Century	National Movement in India (1858-1947) (opt.i)	History & Historical Method Opt. (ii)
Paper-3	Modern India: Political Processes	USA (1820-1973)	Constitutional development in Modern India (1773-1947) (opt.iii)	Budhism in India Opt.(xi)
Paper-4	The Punjab (Mid-Fifteenth to Seventeenth Centuries)	Modern World (1500-1900)	Sacred Centres in Indian Civilization Opt.(x)	Islamic Traditions of Medieval India Opt. (xii)

THRUST AREAS: Interdisciplinary Studies in languages, Literatures and social sciences.

PLACEMENTS: The Department has a placement cell, which help the students, those who are in the final semesters of M.A./ B.Com and B.A, in getting good jobs.

ALUMNI RELATIONS: The Department has produced a number of distinguished persons and is proud of its alumni. To name a few, Prof. G. K. Chadha, former Vice Chancellor of JNU and presently on Advisory Panel of the Prime Minister of India; Prof. S. K. Gupta, former Vice Chancellor, HP University Shimla; S. Partap Singh, Secretary, Punjab Vidhan Sabha; Shri Swaraj Kaushal, former Governor, Mizoram; Shri K. R. Punia, IAS; S. Jasbir Singh Bir, M.D., CITCO; Shri K. A. P. Sinha, IAS and many others in the Indian Civil and Police Services have been students of this department. A large number of civil servants in Punjab and Chandigarh, Bank officers (holding senior positions now), principals of many colleges were students of this Department at one time.

UNIVERSITY SCHOOL OF OPEN LEARNING (USOL)

ABOUT THE SCHOOL

The University School of Open Learning, formerly the Department of Correspondence Studies, was established in 1971. Since its inception, it has emerged as one of the premier institutes of Distance and open learning which take education beyond the four walls of the University.

This multi-faculty, multi-disciplinary school offers a wide range of courses. In addition to traditional under-graduate, post-graduate courses, USOL offers an array of professional, innovative and value added degree, diploma and certificate courses to cater to the needs of an emerging knowledge society. The students enrolled for in these courses undertake the same curriculum and examination as their counterparts in regular courses of the university.

With almost 14,150 learners on its roll. USOL offers effective student learner support services like Study Material, Personal Contact Programme, Educational Media Centre, well equipped computer lab and labs for Geography, Psychology, Defence Studies, Education etc. It has a well stocked library (over 1,00,000 books approx.) with computer facility and Book Bank facility. It also has a placement and guidance cell. The study material comprising printed lessons (primarily in the self-instructional/self-learning mode) is prepared by subject experts. For the undergraduate courses, the study material is made available in English, Hindi and Punjabi. Keeping abreast of the latest developments, USOL has also initiated the dissemination of study material online. Above all, USOL has a highly qualified faculty which is actively involved in both teaching and research.

FACULTY

Particulars	Name	Field of Research Specialization
COMMERCE		
Professors	Lalit K. Bansal	Accounting and Finance, Financial Service
	Geeta Mangla Bansal	HRM, O.B., & Strategic Management
Assistant Professors	J.S. Rathore	Marketing Mgt. General Mgt.
	Rajni Rajan Chauhan (Temporary Basis)	Accounting & Finance
DEFENCE STUDIES		
Professor	Meena Dutta	Conflict Resolution and National Security
ECONOMICS		
Professors	Reena Bhasin	Economics of Growth and Devevelopment & Quantitative Methods
	Harsh Gandhar	Economics of Education, Public Expenditure/ Finance
Associate Professor	Sangeeta Malhotra	Economics of Agriculture, Public Finance
EDUCATION		
Professor Associate	Kuldip Puri	Educational Philosophy & Sociology, Policy
Associate Professors	Mamta Garg	Distance Education, Teacher Education & Quality Concerns in Education
	Ram Mehar	Educational Technology, Educational Research & Statistics
	Supreet Kaur	Guidance & Counselling Career Psychology and Teacher Education

Assistant Professors	Manju Gera Kuljeet Kaur	Educational Technology, Research Methodology Guidance & Counselling Educational Psychology Language Teaching & Literature
	Jeesu Jaskanwar Singh	Educational Technology, Guidance & Counselling
ENGLISH		
Professor	Praveen Sharda	Critical Theory, Stylistics, Dalit Literature
Assistant Professors	Rajesh Kumar Jaiswal	Cultural Studies, Critical Theory, Indian writing in English & Applied Linguistics
	Ravinder Kaur	British Fiction, American Literature, Dalit Literature, New Media Studies
GEOGRAPHY		
Assistant Professor	Sucha Singh	Agricultural Geography, Population Geography
HINDI		
Professors	Yojna Rawat (Chairperson)	Modern Hindi Literature
	Neeru	Modern Hindi Literature
HISTORY		
Professors	Manju Malhotra	Modern India, Modern Punjab, Gender Studies and National Movement in India
	Sheena Pall	Socio-Cultural History of Modern Punjab
MATHEMATICS		
Associate Professor	Dr. Keerti Vardhan (Officiating Coordinator)	
PHILOSOPHY		
Tutor-cum-Curator	Sudhir K. Baweja	Indian Aesthetics, Vivekananda Studies, Value education, Business Ethics and Leadership studies
POLITICAL SCIENCE		
Professors	Surinder K. Shukla Emanuel Nahar	International Politics & State Politics Minority, Dalit Politics & Foreign Policy of India
Assistant Professor	Kamla	Human Rights, Indian Political System
PUNJABI		
Professor	Jaspal Kaur Kaang	Medieval Punjabi Literature, Sikh Studies, Punjabi Fiction and Criticism
Assistant Professor	Bhupinder Singh Pali Parveen Kumar Harmail Singh	Punjabi Drama and Theatre Modern Punjabi Poetry History of Punjabi Literature & Contemporary Punjabi Poetry Ecocriticism
PUBLIC ADMINISTRATION		
Professor	Swinder Singh	Administrative Theory, Local Governance & Administrative Law
Assistant Professors	Anil Kumar Purva Mishra	Personnel Administration, New Public Management Public Policy, Financial Administration, Police Administration
PSYCHOLOGY		
	Prof. Harpreet Kanwal Chhabra (Officiating Coordinator)	
SANSKRIT		
Professor	Prof. V.K. Alankar (Officiating Coordinator)	Ved, Indian Philosophy, Grammar & Literature

SOCIOLOGY

Professor	Madhurima Mahajan	Sociology of Family & Gender Studies, Gerontology Sociology of Violence, Disability Studies, Criminology
Assistant Professors	Rajni	Sociology of Education, Sociology of Development & Urban Sociology
	Reena Rani Chaudhary	Sociological Dimensions of Development Gender Studies

STATISTICS

Professor	Ravi K. Mahajan	Applied Statistics, Psychometric, Distance Education
Assistant Professor	Richa Sharma	Survival Analysis, Econometrics

COURSES OFFERED

For admission to various courses in USOL, separate Prospectus will be available online at its website www.usol.pu.ac.in. Admission notice for following courses will be advertised in the leading newspapers in the month of June/July.

I. Under Graduate Courses (Semester System)

1. Bachelor of Arts (B.A.)
2. Bachelor of Commerce (B.Com.)
3. Bachelor of Library & Information Science (B.Lib.) (One Year Course)

II. Diploma Courses (Semester System)

1. Postgraduate Diploma in Computer Applications (PGDCA)
2. Post Graduate Diploma in Disaster Management and Security (PGDDMS)
3. Postgraduate Diploma in Human Rights & Duties (PGDHR & D)
4. Postgraduate Diploma in Health, Family Welfare and Population Education (PGDHF&PE)
5. Postgraduate Diploma in Library Automation and Networking (PGDLAN)
6. Postgraduate Diploma in Mass Communication (PGDMC)
7. Postgraduate Diploma in Statistics (PGD in Statistics)
8. Postgraduate Diploma in Guidance and Counselling

III. Certificate Courses (Annual System)

1. Certificate Course in Vivekananda Studies
2. Certificate Course in Women Studies

IV. Post-graduate Courses (Semester System)

1. Masters of Arts (**M.A.**)

(i) English	(v) History
(ii) Hindi	(vi) Political Science
(iii) Punjabi	(vii) Public Administration
(iv) Economics	(viii) Sociology
(ix) Education	

2. Master of Commerce (**M.Com.**)

V. Professional Courses

1. M.B.A. (Executive) (**Seats = 500**)
2. Bachelor of Education (**Seats = 800**)

VI. Short Duration Certificate Courses (6 Weeks)

Certificate Course in Corporate Security, Safety and Fire Protection Management

THRUST AREAS: The focus is on Multi-disciplinary development through affordable, accessible and inclusive non-formal education system. Along with that impetus is given to professional education to meet needs and demands of employment sectors by organizing activities like Personality development Workshops, Skills training programmes and Academia Industry Interface. Emphasis is laid on strengthening teacher-student interface, reaching to students via electronic media, upgradation of content, better resource mobilization and total quality management.

PANJAB UNIVERSITY REGIONAL CENTRE, SRI MUKTSAR SAHIB

ABOUT THE CENTRE

The Panjab University Regional Centre was started in 1998 realizing the responsibility towards the society in general and the development of backward area in particular, Panjab Government and Panjab University decided to start a Regional Centre at Muktsar which is an ideal place for establishment of such regional centre.

FACULTY

Designation	Name	Field of Research Specialization
Professors	J.S. Dhillon	Afro American Litratione, Eco Criticism, Indian Writing in English
	P.S. Dhingra	Panjabi Language and linguistics
	(Director) Baljinder Kaur	Poetry& fiction
	Manish Kumar	Pattern Recognition,Character Recognition
Associate Professors	D.K. Singh	Rural movement in india
	Sujit Lahiry	Inter. Relation Political science, smith Asian studies movement politics
	Gurjaswinder Singh	Economics of Agriculture/Macroeconomics
	Nisha Jain	Indian Political System and gender issues
	Vinod Kumar	Money Banking Public finance, FDI
	Darshan Singh	Ling.the& poetry
	Rajesh Kumar Mishra	Indian writing in English
	Gurpal Singh	Criminal laws
	Mohinder Kumar	Java, Unix Programming DBMS
	Inderjot Kaur	Child writs &Liabilities'
	Hardip Singh	

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A. English	46+5 NRI +2 Foreign National	2 Years	Passed one of the following qualifications from a recognized University/Institute: Bachelor's Degree obtaining at least 45% marks in English Elective or English Compulsory subject OR Bachelor's Degree in any faculty obtaining 50% marks in the aggregate. OR B.A. with (Hons.) in English. OR B.A./B.Sc. with (Hons.) in subject other than English obtaining at least 50% marks in aggregate. OR Masters Degree in any other subject with 50% marks in aggregate.	Based on Merit
M.A. Economics	46+5 NRI +2 Foreign National	2 Years	Bachelor's degree obtaining at least 45% marks in Economics or 50% marks in aggregate. OR B.A. with Honours in Economics or B.Sc.(Hons.). OR Master's degree examination in any other subject.	Based on Merit
M.A. Punjabi	46+5 NRI +2 Foreign National	2 Years	Bachelor's Degree obtaining at least 45% marks in the subject of Post-graduate Course or 50% marks in aggregate provided the candidate has passed Punjabi as an elective or literature subject. OR B.A. with (Hons) in Punjabi or B.Sc. (Hons.) Course OR Master's degree examination in any other subject provided the candidate has studied Punjabi(compulsory) at graduate level	Based on Merit

M.A. Pol. Sci.	46+5 NRI +2 Foreign National	2 Years	Bachelor's Degree obtaining at least 45% marks in the subject of Political Science, or 50% marks in the aggregate. OR B.A. with 45% marks in any social science discipline. OR B.A. with (Hons) in the subject of Political Science or B.Sc. (Hons.). OR Master's degree examination in any other subject.	Based on Merit
LL.B.***	60#	3 Years	Passed one of the following examinations from a recognized University/Institute: i) Bachelor's/Master's Degree in any discipline with at least 45% marks. ii) In case of a candidate having a Bachelor's degree through Modern Indian Languages (Hindi or Urdu or Punjabi (Gurmukhi Script) and/or in a Classical Language (Sanskrit or Persian or Arabic) the aggregate of 45% marks shall be calculated by taking into account the percentage of aggregate marks that he had secured at the language examination, excluding the marks for additional optional paper, English and the elective subject taken together.	Based on PU-LL.B (3 years) Entrance Test Law Academics : 50% PUCET(PG) : 50%
MCA	20+2** +3NRI +1 Foreign National	3 Years	A recognized first degree of minimum three years duration in any discipline with at least 50% marks and with Mathematics at 10+2 or at graduation level (all three years) OR B.C.A. from Panjab University with 50% marks OR Any examination recognized by the Panjab University Chandigarh as equivalent to any of the above examination (i) or (ii)	Based PU-CET(PG) Academics:50% PU-CET(PG):50%
M.Phil (Punjabi)	15	1 Year	See M.Phil/Ph.D.Prospectus 2019	
M.Phil (Pol.Sci.)	10	1 Year	See M.Phil/Ph.D.Prospectus 2019	
<p>*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates **For Candidates who have studied Computer as one of the subjects for three years/or that subject as a full course at undergraduate level. #Since 46.5% reservation is already there in B.A.LL.B/B.Com. LL.B/LL.B and there could not be more than 50% reservation, remaining 3.5% seats be reserved for NRI candidate. In case any of such seat(s) remained unfilled, the same be converted to General seat(s). (Vide Syndicate Para 3 dt. 11.5.2019).</p>				

Note-1: The applicants having a compartment in their qualifying examination shall not be eligible to join LL.B. course irrespective of their clearing the entrance test.

Note-2: The applicants who have obtained 10+2 or Graduation/Post Graduation through open universities system directly without having any basic qualifications for prosecuting such studies be not admitted in law courses.

Note-3: No candidate will be admitted to the LL.B. course having any Degree inconsistent with the University Grants Commission Regulations and also Bar Council of India, Rules of Legal Education 2008.

Note 4 : The concession by way of additional seat for Only (Single) Girl Child and for Cancer/Aids Patient is not applicable to the students falling under regulatory agencies such as MCI, DCI, BCI and NCTE. As the LL.B. course is regulated by Bar Council of India, this concession is not applicable to the LL.B. course.X=Academic Marks i.e. 20 %)

***Same Rules/Regulations/Eligibility for admission to LL.B. is followed by Department of Laws, PU, and PURC, Muktsar, PURC Hoshiarpur and PURC Ludhiana.

TITLE OF SYLLABI(Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

LL.B.

Semester -I		Semester- II	
Paper- 1	Jurisprudence-I	Paper- 1	Jurisprudence II
Paper- 2	Constitutional Law I	Paper- 2	Constitutional Law II
Paper- 3	Law of Contract	Paper- 3	Special Contracts
Paper- 4	Family Law I	Paper- 4	Family Law II Paper – V International Human Rights & Public International Law
Paper- 5	Law of Torts including Motor Vehicle Accidents and Consumer Protection Laws	Paper- 5	Jurisprudence II

Semester-III	Semester-IV
Paper-1 Law of Crimes-I Paper-2 Property Law Paper-3 Labour Law Option : Any two of the following Paper-4 Paper IV & V-(a) Law of Taxation (b) Local Self Government including Panchayat Administration (c) International Organization and Humanitarian Law (d) Penology and Victimology Paper-5 Paper –I - Law of Crimes-I	Paper-1 Paper –I - Law of Crimes-II Paper-2 Paper- II - Company Law Paper-3 Paper – III - Administrative Law Paper-4 Paper – IV - Alternate Dispute Resolution Option : Any one of the following Paper V (a) - Information Technology Act & RTI Act Paper-5 Paper V (b) - International Labour Organization and Labour Laws
Semester-V	Semester-VI
Paper-1 Paper – I - Law of Evidence Paper-2 Paper – II - Criminal Procedure Code Paper-3 Paper – III - Service Law Paper-4 Paper-5	Paper-1 Paper – I - Environmental & Wild Life Protection Laws Paper-2 Paper – II - Civil Procedure Code & Limitation Act Paper-3 Paper – III - Professional Ethics & Professional Accounting System Paper-4 Paper - IV - Moot Court Exercise and Internship Option : Any one of the following: Paper-5 Paper V (a) - Interpretation of Statute and Principle of Legislation Paper V (b) - IPR Management
M.A Economics	
Semester -I	Semester -II
Paper-1 MAECO-101 Micro Economics-I Paper-2 MAECO-102 Contemporary Issues in Indian Economy-I Paper-3 MAECO-103 Quantitative Methods-I Paper-4 MAECO-104 Economics of Public Finance Paper-5	Paper-1 MAECO-201 Micro Economics-II Paper-2 MAECO-202 Contemporary Issues in Indian Economy-II Paper-3 MAECO-203 Quantitative Methods-II Paper-4 MAECO-204 International Economics Paper-5
Semester -III	Semester -IV
Paper-1 MAECO-301 Macro Economics-I Paper-2 MAECO-302 Economics of Growth and Development-I Paper-3 MAECO-303 & 304 (i) Economics of Agriculture-I s (ii) Economics of Industry-I Marks (iii) Basic Econometrics s (iv) Economics of Population OR Economics of Human Resource Development History of Economic Thought s	Paper-1 MAECO-401 Macro Economics-II s Paper-2 MAECO-402 Economics of Growth and Development-II Any two of the following options for Papers Paper-3 MAECO-403 & 404 (i) Economics of Agriculture-II (ii) Economics of Industry-II (iii) Mathematical Economics (iv) Economics of Money and Banking OR Economics of Financial Markets & Institutions (v) Advanced Econometrics
M.A Punjabi	
M.A.	
Semester-I	Semester-II
Paper-1 Madhkali Pbi. Sahit da Itihas Paper-2 Sahit Sidhant, Sanatani Kaav Shastar ate Pbi Alochna	Paper-1 Adhunik Pbi. Sahit da Itihas Paper-2 Adhunik paschami Kav Shastar ate Viharak Alochna

Paper-3 Madhkali Pbi. Kaav -I Opt (i) Gurmat ate Sufi Kaav Opt (ii)	Paper-3 Madhkali Pbi. Kaav -II Opt (i) Sufi, Kissa ate Bir Kaav Opt (ii)
Paper-4 Punjabi Novel da Adhiyan Opt (i) Punjabi Kahani da Adhiyan Opt (ii)	Paper-4 Punjabi Novel da Adhiyan Opt (i) Punjabi ate Parvasi Punjabi Kahani da Adhian Opt (ii)
Hons. Paper-5 Guru Nanak Bani - Deeragh Adhiyan	Hons. Paper-5 Varis Shah - Deeragh Adhiyan
Hons. Paper-6 Pra-alochana Ate Punjabi Purav Marxvadi Alochana da Adhyan	Hons. Paper-6 Uttar Marxvadi Punjabi Alochana da Adhiyan
Semester-III	Semester-IV
Paper-1 Bhasha Vigyan ate Punjabi Bhasha	Paper-1 Bhasha Vigyan, Punjabi Bhasha ate Gurmukhi Lipi
Paper-2 Sabiachar, Lokdhara ate Punjabi Sabiachar	Paper-2 Punjabi Lokdhara ate Lok Sahit
Paper-3 Adhunik Punjabi Kavita-I Opt (i) Adhunik Punjabi Birtantank Kavita-I Opt (ii)	Paper-3 Adhunik Punjabi Kavita-II Opt (i) Adhunik Birtantank Punjabi Kavita-II Opt (ii)
Paper-4 Punjabi Natak ate Rangmanch da Adhiyan – I Opt (i) Vishaw Da Anuvadit Natak Opt (ii)	Paper-4 Punjabi Natak ate Rangmanch da Adhiyan – II Opt (i) Punjabi Vich Anuvadit Vishav da Natak Opt (ii) Punjabi Vartak da Adhiyan Opt (iii)
Hons. Paper-5 Shah Husain - Deeragh Adhiyan	Hons. Paper-5 Bhai Vir Singh – Deeragh Adhiyan
Hons. Paper-6 Pakistani Punjabi Sahit	Hons. Paper-6 Parvasi Punjabi Sahit
Diploma in Translation (English to Punjabi)	
Paper-1 Principals and Problems of Translation	
Paper-2 Problems of Vocabulary and Technical Terminology	Paper-3 Practical Translation and Related Problems
M.A Political Science	
Semester -I	Semester -II
Paper- 1 Course I : Western Political Thought-I	Paper- 1 Course V : Western Political Thought (II)
Paper- 2 Course II : Key Concepts in Political Analysis	Paper- 2 Course VI : Comparative Politics : Understanding Advanced Industrial Societies
Paper- 3 Course III : Indian Politics : Institutions at work (Compulsory)	Paper- 3 Course VII : Indian Politics : Political Processes (Compulsory)
Paper- 4 Course IV : International Relations : An Historical Overview	Paper- 4 Course VIII : Approaches to the Study of International Relations.
Semester -III	Semester -IV
Paper- 1 Course IX : Indian Political Thought-I (Compulsory)	Paper- 1 Course XIII : Indian Political Thought-II (Compulsory)
Paper- 2 Course X : Comparative Politics-II : Understanding Developing Societies (Compulsory) Or Comparative Political Systems with special reference to USA, UK, China, Japan & Switzerland (Compulsory)	Paper- 2 Course XIV : Foreign Policy of India (Compulsory)
Paper- 3 Course XI : The candidates are required to offer any one of the following courses : Option (a) International Organization Option (b) Transnational Actors in International Politics Option (c) Politics of Development in India Option (d) Peace and Conflict Resolution Option (e) Rethinking Geopolitics : Criactical Perspectives Option (f) Theories of Development Option (g) Public International Law-I	Paper- 3 Course XV : The candidates are required to offer any one of the following courses : Option (a) Parties and Electoral Politics in India Option (b) State Politics in India Option (c) Decentralized Governance and Local Level Institutions in India Option (d) Political Sociology with special reference to India Option (e) Representing “India” : Geopolitical Imaginations Option (f) Dalit Movements and Issues in India

Paper-4	Course XII : The candidates are required to offer any one of the following courses : Option (a) Democracy in India Option (b) Government & Politics of India's Neighbours (Pakistan, Bangladesh, Nepal and Sri Lanka). Option (c) Women and Politics in India Option (d) Rights : Ideas and Movements Option (e) Nationalism : Theory and Context Option (f) New Political Geography in Comparative Perspective Option (g) Policies and Politics of Development in India Option (h) Public Administration	Paper-4	Course XVI : The candidates are required to offer any one of the following courses : Option (a) Feminist Political Theory Option (b) Major themes in Recent Political Philosophy Option (c) Readings in the Philosophy of Resistance and Liberation Option (d) Contemporary Debates in 20th Century Marxism Option (e) Introducing Federalism Option (f) Public International Law-II
M.A ENGLISH			
Semester -I		Semester -II	
Paper-1	Literary Criticism-I	Paper-1	Literary Criticism-II
Paper-2	British Poetry-I	Paper-2	British Poetry-II
Paper-3	British Drama-I	Paper-3	British Drama-II
Paper-4	British Fiction-I	Paper-4	British Fiction-II
Semester -III		Semester -IV	
Paper-1	Literary Theory-I	Paper-1	Literary Theory-II
Paper-2	Indian Witing English	Paper-2	Indian Witing In Translation
Paper-3	Linguistics-I	Paper-3	Linguistics-II
Paper-4	Applied Liengustics-I	Paper-4	Applied Liengustics-II
MCA Course (Semester System)			
Semester -I		Semester -II	
Paper-1	CS-55 Computer Fundamentals and C Programming	Paper-1	CS-63 Data and File Structures (Using C)
Paper-2	CS-56 LINUX Operating System	Paper-2	CS-07 Accounting and Financial Management
Paper-3	CS-60 Computer Organisation & Assembly language	Paper-3	CS-40 Computer Oriented Numerical and Statistical Methods
Paper-4	CS-61 Data Base Management System	Paper-4	CS-48 Data Communication and Networks
Paper-5	CS-62 Mathematical Structures for Computer Science	Paper-5	CS-64 Object Oriented Programming (Through C++ and Java)
Paper-6	PR-11 Computer Fundamental & C language (Minor project)	Paper-6	PR-03 C++ and Java Programming Language (Minor Project)
Semester -III		Paper-7	PR-04 Data Structures (Minor Project)
		Semester -IV	
Paper 1	CS-65 Software Engineering	Paper 1	CS-70 Data Mining and Data Warehousing
Paper 2	CS-66 Operating Systems	Paper 2	CS-12 Interactive Computer Graphics
Paper 3	CS-67 Analysis and Design of Algorithm	Paper 3	CS-37 Theory of Computations
Paper 4	CS-68 .NET Framework and C#	Paper 4	CS-71 Artificial Intelligence (Using LISP)
Paper 5	CS-69 Relational Data Base Management Systems	Paper 5	CS-72 Advanced Java and Network Programming
Paper 6	PR-05 RDBMS (SQL Server/Oracle/My SQL) (Minor project)	Paper 6 th	PR-08 Advanced Java and Network Programming (Minor Project)
Paper 7	PR-06 Programming in .NET and C# (Minor Project)	Paper 7 th	PR-07 Computer Graphics and Algorithm Analysis (Minor project)

Semester -V		Semester -VI
Paper 1	CS-17 Computer Based Optimization Techniques	CS-18 Project Work
Paper 2	CS-57 Software Project Management	
Paper 3	CS-58 Mobile Communication and Application Development (Elective IX)	
Paper 4	CS-59 Soft Computing Techniques using Neural Networks (Elective X)	
Paper 5	PR-13 Mobile application development using Android(Minor project)	
Paper 6	PR-14 Programming using LISP and MATLAB (Neural Networks)	

PLACEMENTS: The Placement Cell of the department endeavors to offer placement services to the students.

ALUMNI RELATIONS: The department remains in touch with old students by inviting them in get together where they share their experiences.

PANJAB UNIVERSITY RURAL CENTRE KAUNI (DISTRICT MUKTSAR)

ABOUT THE CENTRE

The Panjab University Rural Centre Kauni was started in July 2010 realizing the responsibility towards the society in general and the development of the rural area of District Shri Muktsar Sahib in particular.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Jasminder Singh Dhillon	African-American Studies; Ecocriticism; Indian Writing
Associate Professor	Rajesh Kumar Mishra	Indian Writing in English
Assistant Professor	Monica (on deputation to CBLU, Bhiwani, Haryana)	Finance and Marketing
	Yogita Sarohi	Human Resource Management
	Rajneesh	Dams and Displacement
	Angrej Singh Gill	Economics of Education

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.A.	240+8 NRI +4 Foreign National	3 years	Passed 10+2 examination from a recognized Board/CBSE	Based on merit
BBA	40+4 NRI +2 Foreign National	3 years	10+2with 50%marks	Based on merit
B.Com	70+4 NRI +2 Foreign National	3 years	10+2with 45%marks with Maths/Commerce	Based on merit
PGDCA	40+4 NRI +2 Foreign National	1 years	50%marks in Graduation	Based on merit

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLE OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>

B.A.

Compulsory Papers	Paper-1	English (Compulsory)
	Paper-2	Punjabi (Compulsory)
Any Three Electives to be chosen from the Eight	Paper -3	English Elective
	Paper -4	History
Optional Subjects	Paper-5	Sociology
		Political Science
		Physical Education
		Economics
		Punjabi Elective
		Computer Science

BBA

Semester-I		Semester-II	
Paper 1	PUNJABI or History and Culture of Punjab	Paper 1	PUNJABI or History and Culture of Punjab
Paper 2	Business Statistics	Paper 2	Management & Soft Skills Management
Paper 3	Fundamentals of Information Technology	Paper 3	Essentials of Business Economics-2
Paper 4	Management Concepts and practices	Paper 4	Business Laws
Paper 5	Financial Accounting	Paper 5	Psychology for Managers
Paper 6	Essentials of Business Economics-1	Paper 6	Financial Management
Semester-III		Semester-IV	
Paper 1	English & Business Communication Skills	Paper 1	English & Business Communication Skills
Paper 2	Operation Research	Paper 2	Project Management
Paper 3	Marketing Management	Paper 3	Research Methodology
Paper 4	Economics of Money and banking	Paper 4	Human Resource Management
Paper 5	Regulatory Framework For Companies	Paper 5	Indirect Tax Law
Paper 6	Direct Tax Law	Paper 6	Database Management System
Semester-V		Semester-VI	
Paper 1	Insurance and Risk Management	Paper 1	Business Policy and strategy
Paper 2	International Business	Paper 2	Production and operations management
Paper 3	Business Environment	Paper 3	Social and ethical issues in Business
Paper 4	Entrepreneurship and small Business Management	Paper 4	Project Report & VIVA-VOCE
Group A	Marketing Management	Group-A	Marketing Management
Paper 1	Consumer Behavior	Paper 1	Advertising and Brand management
Paper 2	Sales and Distribution Management	Paper 2	Marketing of services
Group B	Financial Management	GROUP-B	Financial Management
Paper 1	Financial Markets and Services	Paper 1	Cost Analysis and control
Paper 2	Investment Management	Paper 2	Accounting for Management
Group C	Human Resource Management	Group-c	Human resource management
Paper 1	Social Security and Labour Welfare	Paper 1	Human Resource Planning and Performance Management
Paper 2	Industrial Relations and Labour Legislation	Paper 2	Compensation Management
B.Com.		Semester-I	
Paper 1	PUNJABI or History and Culture of Punjab	Paper 1	PUNJABI or History and Culture of Punjab
Paper 2	English and Business communication	Paper 2	English and Business Communication
Paper 3	Psychology for Managers	Paper 3	E- Commerce
Paper 4	Business Economics-1	Paper 4	Business Economics-2
Paper 5	Principles of Financial Accounting	Paper 5	Corporate Accounting
Paper 6	Commercial Laws	Paper 6	Business Laws
Paper 7	Principles and practices of Management	Paper 7	Human Resource Managements
Semester-III		Semester-IV	
Paper 1	Issues in Indian Commerce	Paper 1	Security analysis and Portfolio Management
Paper 2	Cost Accounting	Paper 2	Advanced Accounting
Paper 3	Company Law	Paper 3	Auditing and Secretarial Practice
Paper 4	Business Mathematics and Statistics	Paper 4	Cost Accounting
Paper 5	Banking and Insurance	Paper 5	Marketing Management
Paper 6	Indirect tax Law	Paper 6	Quantitative Techniques and Methods

Semester-V	Semester-VI
Paper 1 Income Tax Law Paper 2 Management Accounting Paper 3 Indian Economy Paper 4 Production and Operation Management Paper 5 Entrepreneurship and Small Business Paper 6 Financial Markets and services PGDCA Paper 1 Fundamentals of Information Technology Paper 2 DBMS Using SQL Paper 3 Computer Based Accounting Paper 4 Computer Networks & Data Communications Paper 5 Computer Programming & Problem Solving (Using C/C++) Paper 6 Web Application Tools and E- Commerce	Paper 1 Direct Tax Laws Paper 2 Financial Management Paper 3 Issues in Financial Research Paper 4 Social and Business Ethics Paper 5 Operational Research Paper 6 Sectoral aspects of Indian Economy Paper-7 Practical Software Lab. Paper-8 Practical DBMS Lab. Paper-9 Practical Programming Lab. Paper-10 Practical Web Programming Lab. Paper-11 Project Work; Project Will involve Development of Business Application

PANJAB UNIVERSITY REGIONAL CENTRE, LUDHIANA

ABOUT THE CENTRE

Panjab University Regional Centre has been established at the campus of P.U. Extension Library, Ludhiana in the year 2003 on 2.75 acres of land situated in the Civil Lines areas of Ludhiana. The then Vice-Chancellor took keen interest and fulfilled the long standing demand of the residents of Ludhiana, for quality professional (Legal & Management), education by setting up this Regional Centre. A sum of Rs. 100 lacs for the construction of the new building was arranged with the personal influence of then Vice-Chancellor from Shri Lala Lajpat Rai, M.P. (Rajya Sabha) out of the M.P Local Area Development Fund Scheme and the Institute was formally inaugurated by His Excellency the Governor of Punjab, Justice O.P. Verma on 5th Oct. 2003.

FACULTY (Law)

Designation	Name	Field of Research Specialization
Professor	Ravi Inder Singh (Director Hony)	International Finance and Accounting
	Harmeet Singh Sandhu	Environmental Law
Associate Professor (Coordinator for Law)	Arti Puri	Constitutional Law
Associate Professor (Coordinator for LL.M)	Aman A Cheema	Criminology, Property Law, Family Law
Associate Professor	Ashish Virk	Jurisprudence, Human Rights
Assistant Professor (Coordinator for BA.LL.B Hons)	Aditi Sharma Shiv K. Dogra	Gender Studies and Criminology Criminal Law
Assistant Professors	Neelam Batra Vaishali Thakur	Contract, Family Law Commercial Law
Assistant Professor (English)	Harpreet K. Vohra	Canadian Literature, Literature of North East India, Childrens Literature
Assistant Professor (Pol. Science)	Rajnish Saryal	International Environmental Politics and Climate Change Policy LIR Theory
Assistant Professor (History)	Meera Nagpal	Social History in Late Medieval Punjab
Assistant Professor (Economics)	Pooja Sikka	Development Economics

Designation Part Time Assistant Professors (Laws)	Name Vandana Bhanot Sarita Paul Kuljit Singh Sunil Mittal	Field of Research Specialization Constitutional Law Constitutional Law and Family Law. Environmental Law Criminal Law
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COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
BA LLB (Hons) Self Finance	60#	5 Years	10+2 examination with at least 50% marks from any recognized Board /University	Based on PU-CET(UG) Laws Academic Marks: 50% PU-CET (UG) : 50%
LL.B. Self Finance	60#	3 Years	Passed one of the following examinations from a recognized University/Institute: i) Bachelor's/Master's Degree in any discipline with at least 45% marks. ii) In case of a candidate having a Bachelor's degree through Modern Indian Languages (Hindi or Urdu or Punjabi (Gurmukhi Script) and/or in a Classical Language (Sanskrit or Persian or Arabic) the aggregate of 45% marks shall be calculated by taking into account the percentage of aggregate marks that he had secured at the language examination,excluding the marks for additional optional paper, English and the elective subject taken together.	Based on PU-LL.B. (3 years) Entrance test Academics : 50% PU-CET(PG) : 50%
LL.M. (2 Year Course)	26+02 (NRI)+9 Additional seats+1 Foreign National	2 Years	(a) LL.B. 3 years Degree / B.A.LL.B. / B.Com. LL.B. 5 years degree examination of this University with minimum 55% marks OR (b) Any equivalent examination of another University recognized by the Syndicate for this purpose.	Based on PU-CET(PG)* Academic Marks =20% PUCET(PG)=80%

*5% concession is admissible in eligibility marks to SC/ST/BC/PwD candidates

**Candidates having B.A/B.Com LL.B (Hons.) 5-years Integrated Course will be given Weightage for Hons. as per BCI Rules of Legal Education, 2008. Hons. weightage would be denoted by Z and calculated as follows: Z= X x 15/100. X =Academic Marks i.e. 20%

#Since 46.5% reservation is already there in B.A.LL.B/B.Com. LL.B/LL.B and there could not be more than 50% reservation, remaining 3.5% seats be reserved for NRI candidate. In case any of such seat(s) remained unfilled, the same be converted to General seat(s).

(Vide Syndicate Para 3 dt. 11.5.2019).

Note-1: The applicants having a compartment in their qualifying examination shall not be eligible to join LL.B. course irrespective of their clearing the entrance test.

Note-2: The applicants who have obtained 10+2 or Graduation/Post Graduation through open universities system directly without having any basic qualifications for prosecuting such studies be not admitted in law courses.

Note-3: No candidate will be admitted to the LL.B. course having any Degree inconsistent with the University Grants Commission Regulations and also Bar Council of India, Rules of Legal Education 2008.

Note 4 : The concession by way of additional seat for Only (Single) Girl Child and for Cancer/Aids Patient is not applicable to the students falling under regulatory agencies such as MCI, DCI, BCI and NCTE. As the LL.B. course is regulated by Bar Council of India, this concession is not applicable to the LL.B. course.

LAW

LL.M.

Semester -I	Semester -II
Paper-I Jurisprudence and Global Justice	Paper-V Law and Social Transformation
Paper-II International Law and Human Rights	Paper-VI Constitutional Law and New Challenges
Paper-III Legal Education and Research Methodology	Paper-VII General Principles of Criminal Law and Forensic Studies
Paper-IV Methods of Legislation and Interpretation of Statutes (Term Paper)	Paper-VIII Family Law

Semester -III	Semester -IV
<p>CHOOSE ANY ONE OF THE FOLLOWING GROUPS</p> <p>GROUP-I CONSTITUTIONAL AND ENVIRONMENT LAW</p> <p>Paper-IX Administrative Law Paper-X Service Law Paper-XI Environmental Protection Law-I Paper-XII Environmental Protection Law-II</p> <p>GROUP-II CRIMINAL & CORPORATE LAW</p> <p>Paper-XIII Criminology, Penology and Victimology Paper-XIV Economic and Social Offences Paper-XV Corporate Governance and Corporate Social Responsibility Paper-XVI Banking and Insurance Law</p>	<p>CHOOSE ANY ONE OF THE FOLLOWING GROUPS</p> <p>GROUP-I CONSTITUTIONAL AND ENVIRONMENT LAW</p> <p>Paper- XVII Comparative Public Law Paper-XVIII Environmental Law and Policy</p> <p>GROUP-II CRIMINAL AND CORPORATE LAW</p> <p>Paper-XIX Corporate Crimes and White Collar Crimes Paper-XX International Trade Law (Dissertation & Viva-Voce)</p>

LL.B.

Semester -I	Semester -II
<p>Paper-I Jurisprudence-I Paper-II Constitutional Law I Paper-III Law of Contract Paper-IV Family Law I Paper-V Law of Torts and Consumer Protection</p>	<p>Paper-I Jurisprudence II Paper-II Constitutional Law II Paper-III Special Contracts Paper-IV Family Law II Paper-v Public International Law</p>
Semester -III	Semester -IV
<p>Paper -I - Law of Crimes-I Paper - II - Property Law Paper - III - Labour Law</p> <p>Option : Any two of the following</p> <p>Paper IV & V- (a) Information Technology Act & RTI Act (b) Land Laws (c) International Organisations, Human Rights and Humanitarian Law (d) Interpretation of Statutes and Principles of Legislation</p>	<p>Paper -I Law of Crimes-II Paper- II Company Law Paper- II Company Law Paper - III Administrative Law Paper - IV Environmental and Wild Life Protection Laws</p> <p>Option : Any one of the following</p> <p>Paper V (a) - Law of Taxation Paper V (b) - Intellectual Property Laws</p>
Semester -III	Semester -IV
<p>Paper - I Law of Evidence Paper - II Criminal Procedure Code Paper - III Service Law</p> <p>Paper - IV Drafting, Pleading & Conveyance</p> <p>Option Any one of the following:</p> <p>Paper V (a) Equity & Trust Law Paper V (b) Private International Law</p>	<p>Paper - I - Environmental & Wild Life Protection Laws Paper - II - Civil Procedure Code & Limitation Act Paper - III -Professional Ethics & Professional Accountability Paper - IV - Moot Court Exercise and Internship</p> <p>Option : Any one of the following:</p> <p>Paper V (a) - Interpretation of Statute and Principle of Legislation Paper V (b) - IPR Management</p>

TITLE OF SYLLABI (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

B.A. LL.B.

Semester-I	Semester-II
Paper-I English-I Paper-II History-I Paper-III Political Science-I Paper-IV Sociology-I Paper-V Law of Torts including Motor Vehicle Accident Act and Consumer Protection Laws Paper-VI Law of Contract	Paper-I English-II Paper-II History-II Paper-III Political Science-II Paper-IV Sociology-II Paper-V Jurisprudence Paper-VI Special Contract
Semester-III	Semester-IV
Paper-I (a) Group-I (Minor)Political Science-III (minor) Paper-I (b) Group-II (Minor)Economics-III (Minor) Major (optional) Paper-II (a) Political Science-III (Major) Paper-II (b) History-III (Major) Paper-II (c) Economics-III (Major) Paper-II (d) Sociology-III (Major) Paper-II (e) English-III (Major) Compulsory Paper-III English-III Paper-IV Public International Law Paper-V Constitutional Law-I Paper-VI Family Law-I	Paper-I (a) Group-I (Minor)History-I (Minor) Paper-I (b) Group-II (Minor)Sociology-I (Minor) Major (optional) Paper-II (a) Political Science-IV (Major) Paper-II (b) History-IV (Major) Paper-II (c) Economics-IV (Major) Paper-II (d) Sociology-IV (Major) Paper-II (e) English-IV (Major) Opt any one of the following Language papers. The Language paper once selected will continue to be the same till 6th Semester. Paper-III(a) Hindi-I Paper-III(b) Punjabi-I Paper-III(c) French-I Compulsory Paper-IV Administrative Law Paper-V Constitutional Law-II Paper-VI Family Law-II
Semester-V	Semester-VI
Paper-I (a) Group-I (Minor)History-II (Minor) Paper-I (b) Group-II (Minor)Sociology-II (Minor) Major (optional) Paper-II (a) Political Science-V(Major) Paper-II (b) History-V (Major) Paper-II (c) Economics-V (Major) Paper-II (d) Sociology-V (Major) Paper-II (e) English-V (Major) Optional Paper-III(a) Hindi-II Paper-III(b) Punjabi-II Paper-III(c) French-II Compulsory Paper-IV Indian Penal Code-I Paper-V Criminal Procedure-I Opt any one of the following subjects Paper-VI(a) Local Self Government Paper-VI(b) Interpretation of Statutes and Principles of Legislation Paper-VI(c) International Criminal Law and International Criminal Court	Paper-I (a) Group-I (Minor)History-III (Minor) Paper-I (b) Group-II (Minor)Sociology-III (Minor) Major (optional) Paper-II (a) Political Science-VI (Major) Paper-II (b) History-VI (Major) Paper-II (c) Economics-VI (Major) Paper-II (d) Sociology-VI (Major) Paper-II (e) English-VI (Major) Subjects (optional) Paper-III(a) Hindi-III Paper-III(b) Punjabi-III Paper-III(c) French-III Compulsory Paper-IV Indian Penal Code-II Paper-V Criminal Procedure-II Opt any one of the following subjects Paper-VI(a) Law Relating to Agriculture (common with Law and Agriculture) Paper-VI(b) Private International Law Paper-VI(c) Land Laws and Rent Laws

Semester-VII		Semester-VIII	
The following subjects shall be compulsory		The following subjects shall be compulsory	
Paper-I	Alternate Dispute Resolution	Paper-I	Company Law
Paper-II	Law of Property (common with Property Law including Transfer of Property Act 1882)	Paper-II	Drafting, Pleading and Conveyance
Paper-III	Law of Evidence	Paper-III	Environmental Law
Paper-IV	Civil Procedure Code-I	Paper-IV	Civil Procedure including Limitation Law-II
Paper-VI	Business Laws-I	Paper-VI	Business Laws-II
Opt any one of the following subjects		Opt any one of the following subjects	
Paper-V (a)	Gender Justice and Feminist Jurisprudence	Paper-V (a)	International Trade Law
Paper-V (b)	Right to Information and Media Law	Paper-V (b)	Election Law
Paper-V (c)	Organized Crimes and Internal Security Laws	Paper-V (c)	Service Laws
Semester-IX		Semester-X	
Paper-I	Labour and Industrial Laws	Paper-I	Labour Laws and International Labour Organization
Paper-II	Moots and Practical Training (common with Moots)	Paper-II	Information Technology Law
Paper-III	Forensic Science	Paper-III	Professional Ethics and Professional Accounting
Paper-IV	International Human Rights	Paper-IV	Criminology, Penology and Victimology
Paper-V	Principles of Taxation Law	Paper-V	Intellectual Property Laws

TITLE OF SYLLABI (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

THRUST AREAS: The main focus of the department is on various aspects of Law including moot court, internship, in the District Court Ludhiana and Educational Tour to the Supreme Court, the Central Jail. The Department also concentrates on subjects of Social Sciences i.e. History, Political Science and Economics as well as English studying various aspects of the subject with focus on latest developments.

PLACEMENTS: The placement cell of the department endeavors to offer placement and internship services to student in various organizations, Law firms and IPO's.

ALUMNI RELATIONS: The department remains in touch with old students by inviting them in get together where they share their experiences.

UBS, P.U. REGIONAL CENTRE, LUDHIANA

FACULTY

Designation	Name	Field of Research Specialization
Professor	Ravi Inder Singh (Director Hony)	Accounting & Finance
Assistant Professor	Ashish Saihjpal (Coordinator for MBA)	Retail & Marketing Management
	Taranjeet Singh	Marketing Management
	Shashi Kapoor	Accounting Disclosure Practices, Taxation
	Tarun K. Vashisth	Human Resource Management

COURSE OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
MBA	57+9NRI +3 Foreign National	2 Years	THE MINIMUM ELIGIBILITY CRITERIA FOR ADMISSION WOULD BE AS FOLLOWS: a) i) A Bachelor's Degree in any discipline of the University or a degree of any other University which has been recognised by the Syndicate as equivalent thereto with not less than 50% marks (45% for SC/	Based on CAT CAT Score: 85% Group Discussion: 7.5% Personal Interview: 7.5%

		<p>ST/BC/PwD) in the aggregate. Provided that in the case of candidates having Bachelor's degree of the University through Modern Indian Languages [Hindi/Urdu/Punjabi (Gurmukhi script)] and/or in a Classical Language (Sanskrit/Persian/ Arabic) or degree of any other University obtained in the same manner recognised by the Syndicate, 50% marks in the aggregate shall be calculated by taking into account full percentage of marks in all the papers in Language excluding the additional optional paper, English and the elective subject taken together.</p> <p>OR</p> <p>ii) A pass in the final examination conducted by the (a) Institute of Chartered Accountants of India or England, (b) Institute of Cost and Works Accountants of India or England, or (c) Institute of Company Secretaries of India.</p> <p>OR</p> <p>iii) AMIE Examination with 50% marks or more after having passed the diploma examination with 60% marks or above and have at least 5 years research/teaching or professional experience.</p> <p>AND</p> <p>b) Candidate must have appeared in CAT-2018, followed by appearance in Group Discussion and Personal Interview.</p> <p>IMPORTANT NOTE: Whether in the General Category or in any of the reserved categories, a candidate must fulfill both the criteria given in (a) and (b) above in order to be eligible for admission.</p>	
FIRST SEMESTER		SECOND SEMESTER	
MBA6101	Business Economics	MBA6201	Business Environment
MBA6102	Business Statistics	MBA6202	Human Resource Management
MBA6103	Management Accounting	MBA6203	Operations Management
MBA6104	Organisational Behaviour	MBA6204	Financial Management
MBA6105	Marketing Management	MBA6205	Legal Aspect Of Business
MBA6106	Workshop On Business Computing	MBA6207	Summer Training Report And Viva-voce*
MBA6108	Workshop On Business Research	MBA6208	Comprehensive Viva-voce**
		MBA6209	Workshop On Business Communication
		MBA6210	Workshop On Multivariate Statistical Techniques
THIRD SEMESTER		FOURTH SEMESTER	
MBA7101	Strategic Management Students are to opt for two groups out of the groups offered. and further in one group opted by them they are to opt for three papers out of the papers offered. in the other group they are to opt for two papers out of the papers offered.	MBA7203	Comprehensive Viva-voce****
		MBA7204	Human values and business ethics students to continue with the two groups opted by them in third semester. and further in each group opted by them they are to opt for two papers out of the papers offered.
		Group A: Entrepreneurship and General Management	
		MBA7211	Managing Strategic Implementation and Business Transformation
MBA7111	Entrepreneurial Development And New Enterprise Management	MBA7212	Managing Teams
		MBA7213	Managing Global Enterprise

MBA7112	Entrepreneurial Finance	MBA7214	Organisation Structure And Design 1
MBA7113	Infrastructure And Project Finance	Group B: Finance	
MBA7114	Tax Planning For Entrepreneurs	MBA7221	Strategic Cost Management
MBA7115	Investing In Private Equity	MBA7222	International Financial Management
MBA7116	Marketing For Entrepreneurship	MBA7223	Behavioral Finance
Group B: Finance		MBA7224	Corporate Governance
MBA7121	Financial Statement Analysis MBA7122	Group C: Information Technology and Operations Management	
MBA7122	Financial Engineering	MBA7231	Knowledge Management
MBA7123	Management Of Financial Services	MBA7232	Management Of Technology
MBA7124	Investment Management	MBA7233	Business Intelligence
MBA7125	Management Control Systems	MBA7234	Total Quality Management
MBA7126	Project Planning analysis and Management	Group D: Marketing	
Group C: Information Technology & Operations Management		MBA7241	Marketing Of Services
MBA7131	Mobile Commerce	MBA7242	Workshop on Foreign Trade Documentation and Trade Finance
MBA7132	Product Innovation In Technology Business	MBA7243	Customer Relationship Management and Sales Management
MBA7133	Business Process Re-engineering	MBA7244	Application of Accounting and Finance In Marketing
MBA7134	Systems Analysis And Design	<i>**** Comprehensive Viva-Voce of the 4th Semester would be based on papers taught in 3rd and 4th Semester.</i>	
MBA7135	Enterprise Resource Planning	Group E: Human Resource Management	
MBA7136	Management Information Systems	MBA7251	Human Resource Information System
Group D: Marketing		MBA7252	Personal Effectiveness and Leadership
MBA7141	Advertising And Consumer Behaviour	MBA7253	Workshop On Management of Discipline and Disciplinary Proceedings
MBA7142	Global Marketing Management	MBA7254	Labour Legislation-ii
MBA7143	Marketing Research And Product Management		
MBA7144	Internet Marketing And Retail Management		
MBA7145	Global Supply Chain Management		
MBA7146	Industrial And Rural Marketing		
Group E: Human Resource Management			
MBA7151	Labour Legislation-I		
MBA7152	Strategic Human Resource Management		
MBA7153	Performance And Compensation Management		
MBA7154	Organisation Development		
MBA7155	Workshop On Training And Development		
MBA7156	Comparative Industrial Relations		

** At the end of the examination of 2nd Semester the students will undergo compulsory summer training for a period of 6-8 weeks. Every student will submit the Summer Training Report within two weeks from the start of teaching for 3rd Semester.

** Comprehensive Viva-Voce of 2nd Semester would be based on papers taught in 1st and 2nd Semester.

**PANJAB UNIVERSITY SWAMI SARVANAND GIRI REGIONAL CENTRE
UNA ROAD BAJWARA, HOSHIARPUR**

ABOUT THE CENTRE

Keeping with its long tradition of pursuing excellence in teaching and research, Panjab University, Chandigarh established a Regional Centre in the Kandi area of Punjab to cater to the academic needs of the rural students of the region. Earlier known as Swami Sarvanand Giri Regional Centre, this campus was renamed as Panjab University Swami Sarvanand Giri Regional Centre in the year 2011. Spread in picturesque environment near Shivalik foothills, the centre is a landmark donation of infrastructure spread in 10.86 acres of lush green area in the land of saints (Hoshiarpur) by Dr. Lajpat Rai Munger. The

Centre was started with an aim to provide innovation and pre-eminence in the fields of Engineering and Research, conforming to the standards of Panjab University, Chandigarh. The Centre has been reinstated with several branches like University Institute of Engineering and technology (UIET), Department of Computer Science and Applications (DCSA) and University Institute of Legal Studies (UILS).

University Institute of Engineering and Technology (UIET), PUSSGRC, Hoshiarpur

UIET, Hoshiarpur offers Graduate Engineering programs (self financing) in four branches i.e. Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), Information Technology (ITE), and Mechanical Engineering (ME). The institute has well qualified faculty committed to both academics and research. Some of the teachers also own DST/CSIR funded/sponsored research projects. The centre has well equipped infrastructure, self sufficient state-of-the-art laboratories and workshops. The secured campus offers 100% hostel accommodation for both boys and girls with Wi-Fi facility, Health Centre, Cafeteria, 200 Mbps Internet Connectivity, with Optical fibre Backbone, buses for transportation, 24 hours uninterrupted power supply through hotline etc. Apart from academics, UIET also promotes interaction at various levels among the students, the faculty and the experts from industry as well as organizations through National level conferences, symposiums and seminar on regular basis. The department also has a rich collection of library books with latest edition.

For channelizing the energy of the students, the campus also has NCC, NSS, Gymnasium and all other necessary sports amenities. It also houses an air conditioned auditorium with a seating capacity of more than 300 persons for academic and several cultural activities.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Harminder Singh Bains (Director) (Mechanical Engineering)	Metal Matrix Composite : Production, Processing And Fabrication
Faculty of Engineering (UIET, Hoshiarpur)		
Associate Prof.	Manu Dogra (ME)	Machining and manufacturing
Assistant Professors	Meenu Bhagat (CSE)	National language processing
	Jaswinder Singh (ME)	Material characterization
	Neeraj Sharma (ECE)	Wireless communications
	Gurinder Singh (Physics)	Solid state experimental and theoretical physics
	Vinay Arora (Mathematics)	Linear algebra & differential equations
	Gurpreet Singh (ECE)	Digital circuit & logic design
	Prabha Sharma (CSE)	Data Mining
	Naveen Dogra (CSE)	Cloud computing
	Mandeep Singh Walia (ECE)	Signal processing
	Suresh Kumar (ECE)	Digital image processing, electronic devices and circuits
	Jaspal Singh (EEE)	Power systems
	Suman (EEE)	Power & system
	Harkamal Preet Singh (ME)	Composite material
	Satish Kumar (Mathematics)	Solid mechanics, numerical
	Aman Kaura (Chemistry)	Physics chemistry
	Ankur Singh Kang (ECE)	Digital signal processing
	Ravinder Kumar Pal (ME)	Renewable energy
Sukhvinder Singh Bamber (CSE)	Wireless sensor networks	
Abhishek Chauhan (ME)	Manufacturing & materials	
Balwant Raj (Multi-Faculty)	Embedded systems , electronics	
Rajeev Kumar Dang (ME)	Manufacturing materials	
Gaurav Saini (ME)	Non-conventional machining & mechanical vibration	
Temporary basis	Kanwalpreet Singh (CSE)	Computer networks
	Ritika Arora (IT)	Network security
	Monika (ECE)	Wireless communication

Sukhpreet Kaur (CSE)	Parallel computing
Anish Sharma (ECE)	Communication systems
Gurpinder Singh (IT)	Computer network & mobile adhoc
Harman Preet Kaur (ECE)	Fiber optics digital signal proc.
Divya Sharma (IT)	Cryptography & steganography
Ajay Kumar Saini (ME)*	Thermal barrier locating cfd engineering, thermal engineering
Gurwinder Singh (ME)*	Wear /coating/ design
Shama Pathania (CSE)	Database mangement system

Faculty of MCA (DCSA, Hoshiarpur)

Associate Professor	Satish Kumar (CSA)	Image processing and pattern recognition
Assistant Professors	Rajinder Singh (CSA)	Wireless network security
	Rahul Jassal (CSA)	Algorithm Design
	Neeru Mago (CSA)	Data mining and Algorithm Analysis

Faculty of Laws (UILS, Hoshiarpur)

Assistant Professors	Kumari Monika	Constitutional law /Law of Contract
	Sukhbir Kaur	International laws human rights, administrative law
	Pooja Sood	Family law, criminal law
	Vinay Sharma	Law of crimes, jurisprudence criminology victimmology, environmental law
	Savita Grover (English)	ELT, Semitics, Indiam Litrature in English
	Sunaina	CPC, Evidence
	Ritu Salaria	IPR, Cyber law
	Brajesh Sharma	Criminal law, International law
	Dharam Pal Singh Punia	Criminal Law
Advocate Quota	Chander Shekhar Marwaha	Civil Laws
	Kamya Rani	
	Service law , Taxation law	
Guest faculty	Leena Kaushal(History)	
	Reena Sahota (Sociology)	
	Nisha Bali (Economics)	
	Gurdeep Kumari (Punjabi)	
	Ankit (Hindi)	
	Balwinder Kumar	Political Science

*Case pending with Panjab University

COURSES OFFERED (SEMESTER SYSTEM)

Course B.E.	No. of Seats	Duration	Eligibility	Admission Criteria
Computer Science & Engineering	65+7 NRI +3 Foreign National	4 years	The eligibility is as prescribed in the Information Brochure of JAC-2019. Candidate must have taken at least five subjects out of the following in class 12th /qualifying in order to be eligible for writing JEE (Main)-2019:	The admission is made on the basis of merit list of JEE-Main Examination, 2019 through JAC-2019.
Electronics & Communication Engg.	65+7 NRI +3 Foreign National	4 years		
Information Technology	65+7 NRI +3 Foreign National	4 years		
Mechanical Engineering	65+7 NRI +3 Foreign National	4 years		

			<p>5. Any other subject With at least 60% (55% in case of candidate belonging to reserved category i.e. Scheduled Caste / Scheduled Tribe and Persons with Disability (PwD) marks in the above subjects taken together. All India Rank prepared by CBSE on the basis of score in JEE (Main)-2019 and normalised score in Class 12 or equivalent qualifying exam (60% & 40% weightage respectively) shall be used for admission to B.E./B.E. (Chemical) with MBA and B. Arch. for JAC-2019.</p>	
MCA	50+3 EWS +5 NRI +3 Foreign National	3 Years	<p>The minimum qualification for admission to the first year of the Course shall be:</p> <p>i. A recognized first degree of minimum three years duration in any discipline from P.U. with at least 50% marks and with Mathematics at 10+2 or graduation level (all three years); OR ii. B.C.A. from Panjab University with 50% marks OR iii. A recognized first degree of minimum three years duration in any discipline from P.U. with at least 50% marks and with Mathematics at 10+2 or graduation level (all three years); OR iv. B.C.A. from Panjab University with 50% marks OR Any examination recognized by the Panjab University as equivalent to any of above examinations (i) or (ii) Admission based on P.U.-CET(P.G.)</p>	The admission to MCA Course (self financing) at Panjab University Swami Sarvanand Giri Regional Centre, Hoshiarpur is made on the merit of P.U.-CET. (P.G.) 2019 conducted by Panjab University, Chandigarh.
Post Graduate Diploma in Computer Application (PGDCA)	30	1 year	Bachelor's degree of P.U. under (a)10+2+3 System of examination with atleast 50% marks in any discipline OR (b) B.Tech/BE or any other examination recognized by the Syndicate as equivalent (a) & (b) above	Based on Merit
B.A.LL.B. (Hons.) 5 Years Integrated Course	60#	5 years	Candidates should have passed 10+2 examination with at least 50% marks from any recognized Board/University (However, the candidates qualifying 10+2 through Open Universities system directly without having any basic qualification for prosecuting such studies are not eligible for admission in the law courses..." Bar Council of India communication No. Le: Cir: 02/2010 dated 20.12.2010).	Based on PU BA LLB/ B.Com LL.B (Hons) Entrance Test Academic : 50% Entrance Test : 50%
LL.B.	60#	3 years	<p>Passed one of the following examinations from a recognized University/Institute :</p> <p>(i) Bachelor's/Master's Degree in any discipline with at least 45% marks. (ii) In case of a candidate having a Bachelor's degree through Modern Indian Languages (Hindi or Urdu or Punjabi (Gurmukhi Script) and/or in a Classical Language (Sanskrit or Persian or Arabic) the aggregate of 45% marks shall be calculated by taking into account the</p>	Admission based on PU-LLB (3 year) 2019 Entrance Test Entrance : 50% Academics : 50% The admission will be made on the merit of Entrance Tests Conducted by Panjab University.

			percentage of aggregate marks that he had secured at the language examination, excluding the marks for additional optional paper, English and the elective subject taken together.	
*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates				
#Since 46.5% reservation is already there in B.A.LL.B/B.Com. LL.B/LL.B and there could not be more than 50% reservation, remaining 3.5% seats be reserved for NRI candidate. In case any of such seat(s) remained unfilled, the same be converted to General seat(s).				
(Vide Syndicate Para 3 dt. 11.5.2019).				

TITLES OF SYLLABI: (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

Bachelor of Engineering

B.E. (Computer Science and Engg)	
Semester -I	Semester -II
Calculus Introduction to Computer Science & Engineering Programming Fundamental Physics Course 1 Ethics & Self Awareness Introduction to Environment Science	Differential Equations & Transforms Communication Skills Applied Chemistry Workshop Practice Digital Electronics & Logic Design Object Oriented Programming Innovative Product Design- Summer Vacation Training (4 Weeks)
Semester -III	Semester -IV
Data Structures Data Structures (Practical) Database Systems Database Systems (Practical) Discrete Structures Microprocessors Microprocessors (Practical) Economics	Analysis and Design of Algorithms Analysis and Design of Algorithms (Practical) Web Technologies Web Technologies (Practical) Operating Systems Operating Systems (Practical) Software Engineering Software Engineering (Practical) Computer Architecture and Organization
Semester -V	Semester -VI
Data Communication & Networks Technical Communication and Soft Skills (Practical) Computer Graphics Computer Graphics (Practical) Artificial Intelligence Artificial Intelligence (Practical) Principle of Programming Languages Theory of Computation Industrial Training (After IVth Semester) Principles of Designing (Optional)	Computer Networks & Security Computer Networks & Security (Practical) Linear Algebra & Probability Theory Modeling & Simulation Modeling & Simulation (Practical) Compiler Design Compiler Design (Practical) Elective-I (Software Testing & Quality Assurance, Soft Computing, Data Mining Analysis, Mobile Application Development, Data Acquisition & Interfacing, Multimedia Computing) Elective-I Practical (Software Testing & Quality Assurance, Soft Computing, Data Mining Analysis, Mobile Application Development, Data Acquisition & Interfacing, Multimedia Computing)

Semester -VII	Semester -VIII
Digital Image Processing Digital Image Processing (Practical) Advance Database System Cyber Laws and IPR	Option -I Management (Elective) (Principle of Mgt., Business Env. And business Laws, Entrepreneurship and project management, Financial Mgt., Marketing, Mgt., Human Resource Mgt. Network Science: Structural Analysis and Visualization Network Science: Structural Analysis and Visualization (Practical) Elective-IV Building Enterprise Application, Expert System, Machine Learning and Computational Intelligence, Distributed Computing, Pattern Recognition
Elective-II (Software Project Management, Natural Language Processing, Business Intelligence, Wireless Sensor Networks, Sensor Systems and Application)	Elective-IV (Practical) Building Enterprise Application, Expert System, Machine Learning and Computational Intelligence, Distributed Computing, Pattern Recognition
Elective-II (Practical) (Software Project Management, Natural Language Processing, Business Intelligence, Wireless Sensor Networks, Sensor Systems and Application)	Elective-V (Software Agents, Human Computer Interaction, Information Retrieval and Management, Cryptography and Network Security, Advance Image Processing
Elective-III (Agile Software Development, Neural Networks, Cloud Computing, Mobile Computing, Smart System Design)	Project-II
Elective-III (Practical) (Agile Software Development, Neural Networks, Cloud Computing, Mobile Computing, Smart System Design)	Option-2 : Industrial Training (6 Months)
Project-I	
Industrial Training (After VI th Semester)	
B.E. (Electronics & Communication Engg)	
Semester -I	Semester -II
Calculus Introduction to Electronics Workshop Applied Chemistry Communication Skills Computer Programming (MATLAB Programming for Engineers)	Differential Equations & Transforms Ethics & Self Awareness Physics Course 1 Introduction to Environment Science Analog Electronic Circuits Digital Design
Semester -III	Semester -IV
Electromagnetic Theory Signals and Systems Electromagnetic Theory Microprocessor and Applications Electrical Science Electronics Measurements & Instrumentation Elective- Economics, Intro.to Psychology, Sociology, French Language, Russian Language, Entrepreneurship and Project Management	Linear Algebra & Complex Analysis Communication Engineering Microcontroller & Interfacing Computer Networks Analog Electronic Circuits Probability and Random Processes Educational Tour

Semester -V	Semester -VI
VLSI Design Digital Signal Processing Antennas & Wave Propagation Advanced Microcontrollers & Application Digital System Design Elective-I-Data Structures and Algorithms, Audio and Visual Systems, Bio-Medical Electronics Summer Training	Microwave & Radar Engineering Fiber Optic Communication Systems Digital Communication Control Systems Power Electronics Department Elective Course-II--- Information Theory & Coding, Satellite Communication, Data Acquisition and Hardware Interfacing, Speech and Audio Processing. Project-I
Semester -VII	Semester -VIII
Wireless & Mobile Communication Embedded Systems Design Elective-III Operation Research, Operating Systems, Nano Technology, Adaptive Signal Processing Elective-IV Computer Architecture & Organizations, Artificial Intelligence, High Speed Semiconductor Devices & Circuits Seminar-I Project-II Summer Training B.E. (INFORMATION TECHNOLOGY)	Option-1 Elective-V & VI (Any Two) (Digital Image Processing, Advanced Digital Communication, Neural Networks & Fuzzy Logic, HDL based Systems, Wireless Sensor Networks) Elective-VII & VIII (Any Two) (Optical Networks, MEMS and Microsystems, Imaging and Additive Manufacturing, Advanced Digital Signal Processing) Seminar-II Option-2 : Industrial Training (6 Months)
Semester -I	Semester -II
Calculus Introduction to Information Technology Programming Fundamental Physics Course 1 Ethics & Self Awareness Basic Electrical Engineering	Differential Equations & Transforms Communication Skills Physics Course 2 Workshop Practice Introduction to Environmental Science Introduction to Electronics Innovative Product Design- Summer Vacation Training (4 Weeks)
Semester -III	Semester -IV
Linear Algebra and Probability Theory Social and Professional Aspects of Information Technology Data Structures Digital Electronics Computer Architecture and orientations	Elective-I (From Humanities & Social Sciences) Discrete Structures Microprocessor and Assembly language programming Operating Systems Computer Networks Web and open source technologies Educational Tour

Semester -V Data Base Managements Systems Computer Graphics Theory of Computation Multimedia System Internet and Web Technology Industrial Training	Semester -VI Wireless Communication Design & Analysis of Algorithms Software Engineering Network Security & Cryptography Elective-I Business Intelligence, Systems Software, Neural Networks And Fuzzy Logic, System Analysis and Design, Distributed Operating Systems, Network Management and Administration, Cyber Crime and Digital Forensic, Data Mining And Analytics
Semester -VII Digital Signal Processing Agile Software Development Compiler Design Elective-II (Any One) (Artificial Intelligence, Cloud Computing, Principles of Telecommunication Project-I Industrial Training (after VIth Semester) B.E. (MECHANICAL ENGINEERING)	Semester -VIII Option-1 Digital image Processing Embedded System Design Java Technologies Elective-III (Any One) (Theory of Computation, Soft Computing, Mobile Apps Development) Seminar Project-II Option-2: Industrial Training (6 Months)
Semester -I Calculus Engineering Mechanics-I Introduction to Manufacturing Processes Applied Chemistry Communication Skills Introduction to Environmental Science	Semester -II Differential Equations & Transforms Ethics & Self Awareness Physics Course 1 Engineering Mechanics-II Engineering Graphics Computer Programming (MATLAB Programming for Engineers) Innovative Product Design
Semester -III Applied Thermodynamics-I +Lab Mechanics of Materials-I +Lab Theory of Machines-I +Lab Machine Drawing +Lab Manufacturing Processes +Lab Math-3	Semester -IV Applied Thermodynamics-II Mechanics of Materials-II Theory of Machines-II Numerical Analysis Manufacturing Technology- I Fluid Mechanics
Semester -V Design of Machine Elements-I (Practical) CAD/CAM (Computer Aided Design & Manufacturing) (Lab) Robotics+Lab Mechanical Measurement+Lab Manufacturing Technology- II+Lab Fluid Machinery+Lab Vocational Training-1 (After IVth Semester) Principles of Designing (Optional	Semester -VI Design of Machine Elements -II Finite Element Methods Mechanical Vibrations Heat Transfer Materials and Heat Treatment Non Conventional Manufacturing

Semester -VII	Semester -VIII
Refrigeration and Air Conditioning Automatic Controls Automobile Engineering Total Quality Management Elective-I, Renewable Energy Sources, Work Study Minor Project Vocational Training after 6th semester MASTER OF COMPUTER APPLICATIONS	Option-1: Mechatronics Operation Research Computational Fluid Dynamics Elective-II (Experimental Stress Analysis, Metrology, Mechanical Handling, Bearings and Lubrication, Plastic and Rubber Technology, Advanced Fluid Machinery, Production and Operations Management, Theory of elasticity & plasticity, Advanced Mechanics of Materials -2, Advances in Engineering Materials, Mechanical Behavior of Materials-2, Rotor Dynamics, Imaging And Additive Manufacturing,) Major Project Option-2 ; Industrial Training (6 Months)
Semester -I	Semester -II
Computer Fundamentals & C Programming Computer Organization and Assembly Language Data Base Management systems Mathematical Structures for Computer Science (Elective-I) Linux Operating System (Elective-II)	Data and File Structures (Using C) Object Oriented Programming (Through C++ and Java) Data Communication and Networks Computer Oriented Numerical & Statistical Methods (Elective-III) Accounting and Financial Management (Elective-IV)
Semester -III	Semester -IV
Software Engineering Operating Systems Analysis and Design of Algorithms NET Framework and C# (Elective V) Relational Data Base Management Systems (Elective VI)	Data Mining and Data Warehousing Interactive Computer Graphics Theory of Computations Artificial Intelligence (Using LISP) (Elective VII) Advanced Java and Networking Programming (Elective-VIII)
Semester -V	Semester -VI
Computer Based Optimization Techniques Software Project Management Mobile Communication and Android Application Development (Elective IX) Soft Computing Techniques using Neural Networks (Elective X) Seminar LAW B.A.LL.B (HONS.) 5 Years Integrated Course	Project Work (20 to 24 Weeks duration) *The Detail Course curriculum is available at http://puchd.ac.in/syllabus.php?qstrfacid=10
Semester-I	Semester-II
Group-I (Minor) - Political Science-I (Minor) OR Group-II (Minor) - Economics - I (Minor)	Group-I (Minor) - Political Science-II (Minor) OR Group-II (Minor) - Economics - II (Minor)

<p>Major (optional) Political Science - I (Major) History -I (Major) Economics - I (Major) Sociology - I (Major) English-I (Major)</p> <p>Compulsory English-I Socio Legal Research in Era of Information Technology Law of Torts including Motor Vehicle Accident Act and Consumer Protection Laws Law of Contract - I</p>	<p>Major (Optional) Political Science - II (Major) History -II (Major) Economics - II (Major) Sociology - II (Major) English- II (Major)</p> <p>Compulsory English-II Legal Methods and Systems Jurisprudence Special Contracts-II</p>
<p>Semester-III</p> <p>Paper-I (a) Group-I (Minor) Political Science-III (minor) OR Paper-I (b) Group-II (Minor) Economics-III (Minor)</p> <p>Major (optional) Political Science - III (Major) History -III (Major) Economics - III (Major) Sociology - III (Major) English- III (Major)</p> <p>Compulsory English-III Public International Law Constitutional Law-I Family Law-I</p>	<p>Semester-IV</p> <p>Paper-I (a) Group-I (Minor) History-I (Minor) OR Paper-I (b) Group-II (Minor) Sociology-I (Minor)</p> <p>Major (optional) Political Science - IV (Major) History -IV (Major) Economics - IV (Major) Sociology - IV (Major) English- IV (Major)</p> <p>Subjects (Optional Language Papers- Once selected will continue to be the same till VIth Semester) Hindi-I Punjabi-I French-I</p> <p>Compulsory Administrative Law Constitutional Law-II Family Law-II</p>
<p>Semester-V</p> <p>Paper-I (a) Group-I (Minor) History-II (Minor) OR Paper-I (b) Group-II (Minor) Sociology-II (Minor)</p> <p>Major (optional) Political Science-V (Major) History-V (Major) Economics-V (Major) Sociology-V (Major) English-V (Major)</p> <p>Subjects (Optional Language Papers- Once selected will continue to be the same till VIth Semester) Hindi-II Punjabi-II French-II</p> <p>Compulsory Indian Penal Code-I Criminal Procedure-I Opt any one of the following subjects:- Local Self Government Interpretation of Statutes and Principles of Legislation International Criminal Law and International Criminal Court</p>	<p>Semester-VI</p> <p>Paper-I (a) Group-I (Minor) History-III (Minor) OR Paper-I (b) Group-II (Minor) Sociology-III (Minor)</p> <p>Major (optional) Political Science-VI (Major) History-VI (Major) Economics-VI (Major) Sociology-VI (Major) English-VI (Major)</p> <p>Subjects (Optional Language Papers- Once selected will continue to be the same till VIth Semester) Hindi-III Punjabi-III French-III</p> <p>Compulsory Indian Penal Code-II Criminal Procedure-II Opt any one of the following subjects:- Law Relating to Agriculture (common with Law and Agriculture) Private international Law Land Laws and Rent Laws</p>

Semester-VII	Semester-VIII
<p>Major (optional)</p> <p>Political Science - V (Major) History -V (Major) Economics - V (Major) Sociology - V (Major) English- V (Major)</p> <p>Compulsory</p> <p>Law of Property (Common with Property Law including Transfer of Property Act 1882) Law of Evidence Civil Procedure-I</p> <p>Opt any one of the following subjects:- Gender justice and Feminist Jurisprudence Right to Information and Media Law Business Law</p>	<p>Major (Optional)</p> <p>Political Science - VI (Major) History -VI (Major) Economics - VI (Major) Sociology - VI (Major) English- VI (Major)</p> <p>Compulsory</p> <p>Drafting, Pleading and Conveyance</p> <p>Environmental Law Civil Procedure including Limitation Law - II</p> <p>Opt any one of the following subjects:- International Trade Law Election Law Service Laws</p>
Semester-IX	Semester-X
<p>Labour and Industrial Laws Moots and Practical Training (common with Moots) Forensic Science International Human Rights Principles of Taxation Law L.L.B. (3 YEAR COURSE)</p>	<p>Labour Laws and International Labour Organization Information Technology Law Company Law Criminology, Penology and Victimology Intellectual Property Laws</p>
Semester -I	Semester -II
<p>Jurisprudence-I Constitutional Law- I Law of Contract Family Law-I Law of Torts including Motor Vehicle Accidents and Consumer Protection Laws</p>	<p>Jurisprudence-II Constitutional Law- II Special Contracts Family Law-II International Human Rights and Public International Law</p>
Semester -III	Semester -IV
<p>Law of Crimes-I Property Law Labour Law Option: Any two of the following:- a) Information Technology Act & RTI Act b) Local Self government including Panchayat Administration c) International Organization and Humanitarian Law d) Penology and Victimology</p>	<p>Law of Crimes-II Company Law Administrative Law Alternate Dispute Resolution Option: Any one of the following:- a) Law of Taxation b) International Labour Organization and Labour Laws</p>
Semester -V	Semester -VI
<p>Law of Evidence Criminal Procedure Law Service Law Drafting, Pleading and Conveyance</p>	<p>Environmental and Wild Life Protection Laws Civil Procedure Code and Limitation Act Professional Ethics and Professional Accountability Moot Court Exercise and Internship</p>

Option: Any one of the following:- a) Equity and Trust Law b) Private International Law	Option: Any one of the following:- a) Interpretation of Statute and Principle of Legislation b) IPR Management
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THRUST AREAS

UIET: The major thrust areas of UIET are Material Sciences, Conventional Machining of Modern Materials, Wireless Sensor Network, Cloud computing, Cyber Crimes & Forensics, Cyber Security, Renewable Energy.

DCSA: The major thrust areas of DCSA are Image Processing & Pattern Recognition, Wireless Network Security.

UILS: The major thrust areas of UILS are Civil Law, Criminal Law, Constitutional Matters, Corporate Matters, Arbitration.

CAMPUS PLACEMENTS:

The institute has commendable placement record with students getting placed in reputed companies like Infosys, SUFI, Net Solution, UNO Solution, Swipecubes Softs, Tata-Motors, Talwar & Talwar Consultants, smart Data, AZCOM and others. The campus has a proud alumni serving at good positions in various renowned organizations in India and abroad. Further, UIET has an MOU with Infosys under Campus Connect initiative program and with TEXAS (USA) Instruments. We look forward to enhance the placement opportunities for our young engineering graduates by doing tie ups with more companies.

ALUMNI RELATIONS (Campus):

In order to maintain a continuous touch with the campus alumni, a committee comprising of faculty & students works throughout the year. The database of alumni having details in regard of Professional /Academic achievements is maintained continuously. The institute is planning to organise alumni meets at this campus in due course of time.

Fee: The fee is to be submitted through bank challan available at the centre and also on departmental website.

INTERDISCIPLINARY CENTRE FOR SWAMI VIVEKANANDA STUDIES

About the Centre: This Centre was established by the U.G.C. as a part of the IXth Plan to commemorate the epoch-making social thinkers of India in 2001. Because of its Interdisciplinary nature, it encourages faculty, researchers and students across disciplines to join research projects, Ph.D program and various courses run by it. The Centre has emerged as a platform for convergence of ideas which cut across various cultures, faiths, disciplines, streams and highlight the universal ideas and thoughts embedded in Indian Philosophy and tradition. The Centre also conducts four months Self development program (SDP) in collaboration with Sri Ram Chandra Mission (SRCM) and Heartfulness Institute for students of the various departments of the University.

FACULTY

Particulars	Name	Field of Research Specialization
Professor	Nandita Singh (Coordinator)	Indian Philosophy and cultural Values, Human Rights, Peace and Value Education; Science Education; Institution - Community Linkages and Experiential Education for community engagement

The Centre also has adjunct faculty for supervising research

COURSES OFFERED

Course	Seats	Duration	Eligibility
Certificate Course In Vivekananda Studies (CCVS) through USOL, P.U.	35 Detailed of the course available at http://usol.puchd.ac.in/vivekanand/	1 Years	XII or equivalent
Certificate course in Yoga and Meditation	35	6 months	XII in Science / Arts/Meditation Commerce who can read, write and understand Hindi or English.
Ph.D.	Subject to availability of seats	3-5 years	All students who have cleared UGC-NET in any discipline OR Ph.D Entrance examination in Swami Vivekananda Studies conducted by Panjab University.

TITLE OF SYLLABI:

Certificate course in Yoga and Meditation

Papers	Subjects	Credits	Hours	Marks
YT101	Introduction to Yoga and its streams	4	60	100
YT102	Life and messages of spiritual masters	4	60	100
YP101	Elementary yogic exercises	4	60	100
YP102	Advance yogic techniques	4	60	100
103		4	60	100
Assignment Report writing and Presentation				
Total		20 Credits	300 hours	500 marks

THRUST AREAS: To acquaint students with the eternal values of Indian culture as lived and propagated by exemplary personalities like Swami Vivekananda and some other modern Indian sages such as Sri Ramakrishna, Ma Sarada, Sri Anandamayee Ma, Swami Rama Tiratha, Shri Aurobindo and Shri Ramana Maharishi. Lectures, seminars and workshops are conducted on various topics based on Vedanta, Patanjali Yoga Sutra, Shiva Sutra, Significance of Yoga and Meditation, Issues related with Education, Health and Women empowerment

Fee structure of Partially Self Financing courses for Students to be admitted in 2019-2020						
	Department/Courses	Fee per annum for 1st year 2019-2020	Fee per annum for 2nd year 2020-2021	Fee per annum for 3rd year 2021-2022	Fee per annum for 4th year 2022-2023	Fee per annum for 5th year 2023-2024
1	University Institute of Legal Studies					
	BA.LLB 5 YRS	84400	88700	93200	97900	102800
	B.COM.LLB 5 YRS	84400	88700	93200	97900	102800
	LL.M-I	97200				
	LL.M.I(Eve)	97200	102100			
2	P.U.R.C LUDHIANA					
	BA.LLB	84400	88700	93200	97900	102800
	L.L.B	45800	48100	50600		
	M.B.A	199825	199325			
	L.L.M.	97200	102100			
3	U.I.A.M.S.					
	MBA(All streams)	245985	245485			
4	I.E.T. & Voc. Education					
	B.A.(Hons.) Edu., B.Ed	37500	39000	41500	50600	
5	University Insitute of Fashion Tech and Voc.(UIFT)					
	B.Sc in Fashion & Life Style Tech	80800	84900	89200		
	M.Sc. In Fashion & Life Style Tech	120000	126000			
6	Centre for Emerging Areas in Science & Tech.					
	M.Sc. In Sys. Bio. & Bio-Infor-I	52700	55400			
	Master in Pub. Health-I (OC)	66300	69700			
	Master in Pub. Health-I(SC)	93700	98400			
	M.Sc in Nuclear Medi.-I	52700	55400			
	M.Sc. (Microbial Bio-Tech)-I	101900	107000			
	M.Sc. In Stem Cell & Tissu Engg.-I	101800	106900			
	M.Sc. (Medical Physics)-I	52700	55400			
	M.Tech (Nano-Sci & Nano-Tech)-I	31700	33300			
7	University Institute of Enggining Tech					
	B.E.All Courses	94500	99300	104300	109600	
	M.Tech.(Micro)	30000	31500			
	M.Tech(Material Science)	30000	31500			
	M.E.All course	27000	28400			
	M.E (Cyber Security) - I	60000	63000			
8	Dr Harvansh Singh Judge .Inst. Dental Sciecnce &Hospital					
	BDS	137400	144300	151600	159100	
	MDS	500200	507700	515200		
9	University Insitute of Hotel and Toursim Mangement (UIHMT)					
	B.Sc. In Hotel Mgt-I	80800	84900	89200		
	B.Sc. In Tourism Mgt-I	53500	56200	59100		
	M.Sc in Tourism & Travel Management (MTM) - I	86000	90300			
	M.Sc in Hospitality Management & Catering Technology (MHMCT)	86000	90300			
10	Inst. of Forensic Sci. & Criminology					
	M.Sc-I(OC)	79100	83100			
	M.Sc-I(SC)	92800	97500			
11	Computer Sci. & Applications					
	MCA(Evening)-I	99900	104900	110200		
12	U.I.P.S					
	M.Pharma-I(AQA)	157600	165100			
	M.Pharma-I(DDD)	157600	165100			
13	Centre for Emerging Areas in Social Science					
	Master in Social Work-I	51000	53600			

	Department/Courses	Fee per annum for 1st year 2019-2020	Fee per annum for 2nd year 2020-2021	Fee per annum for 3rd year 2021-2022	Fee per annum for 4th year 2022-2023	Fee per annum for 5th year 2023-2024
	M.A in Police Admn-I(OC)	37000	38900			
	M.A in Police Admn-I(SC)	51000	53600			
	M.Phil In (Police Admn.)	10400				
	M.A.in Human Rights-I	37000	38900			
	M.Phil.in Human Rights	10400				
	B.A.(Hons.) Social Sci.	17300	18200	19200		
14	SSGPURC HOSHIARPUR					
	BA.LLB	84400	88700	93200	97900	102800
	LL.B	45800	48100	50600		
	B.E.(All courses)	94500	99300	104300	109600	
	MCA	99900	104900	110200		
	PG Diploma in Computer Applications	31700				
15	Geography					
	M.A. in Rem.Sen. & GIS	48300	50800			
	M.A. in Dis. Mgt	51000	53600			
16	Chemical Engg. & Technology					
	B.E.(Chem)-I +MBA	99400	104400	109700	115200	121000
17	Physics					
	B.Sc.-(Phy. & Elct.)	63100	66300	69700		
	M.Sc.-I (Phy. & Elect.)	82400	86600			
18	Psychology					
	Post M.A. Dip.Prof. Count. Psychology	44100				
19	U.C.I.M.					
	M.Sc.(Inst.)	99100	104100			
	M.Tech(Inst.)	30000	31500			
20	School of Communication Studies					
	PG Diploma in Radio Production	40000				
	PG Diploma in Journalism	40000				
	PGD in Adv. & Pub. Relation	37000				
21	Centre for Vivekananda Studies					
	Certificate Course in Yoga	15000				
22	University Business School					
	MBA-I Entrepreneurship	100000	105000			
	MBA-for Executive	112100	117700			
23	Community Education & Disability Studies					
	M.A. in Community Edu.	28200	28700			
	B.Ed Special Edu. In Learning Disability	37000	38900			
	M.Ed Special Edu. In Learning Disability	39400	41400			
24	Centre for Women Studies & Development					
	M.A.-I Governance & Leadership	60954	60454			
	Certificate course 3 month	8000/per course				
	Crash course 4 weeks	10000/per person				
	Post graduate Diploma in women studies	42500				
25	English					
	Proficiency of English	15100				
26	Centre for Defence & National Securities					
	Post Diploma in Diaster Management	37100				
	3 Months executive in learning	15100				
	Post Graduate Diploma in Homeland Security	25000				
	M.Phil/ M.Phil Army War	20600				
Note:	The Deaprtmental / Students Societies funds shall be charged sepreatly by the concnecred deaprtments accordingly to the decesion of respective Department Committies.					

**FEE STRUCTURE OF TRADITIONAL COURSES FOR STUDENTS TO BE ADMITTED
IN 2019-2020**

	Department/ Courses	Fee per annum for 1st year 2019-2020	Fee per annum for 2nd year 2020- 2021	Fee per annum for 3rd year 2021-2022	Fee per annum for 4th year 2022-2023
1	Anthropology				
	B.Sc.-I	12485	13200	13800	
	M.Sc.-I	11825	12500		
	Dip. In fore. Sci & Crimi(OC)	12205			
2	Bio-Chemistry				
	B.Sc.-I	12485	13200	13800	
	M.Sc.-I	11825	12500		
3	Bio-Physics				
	B.Sc.-I	12485	13200	13800	
	M.Sc.-I	11825	12500		
4	Bio-Technology				
	B.Sc.-I	20405	21500	22500	
	M.Sc.-I	40415	42500		
5	Botany				
	B.Sc.-I	12485	13200	13800	
	M.Sc.-I	11825	12500		
	M.Phil	11600			
6	Environment Science				
	M.Sc.-I	31405	33000		
7	Chemistry				
	B.Sc.-I	12485	13200	13800	
	M.Sc.-I	11825	12500		
8	Chem. Engg & Tech.				
	B.E.(Chem)	20915	22000	23100	24300
	B.E.(Food Tech.)	20915	22000	23100	24300
	M.E.(Chem,Food Tech,Chem with Env & Engg.	28825	30300		
	M.Sc.(Ind.Chem.)	31405	33000		
	M.Tech(Polymer)	28825	30300		
	M.E.(Chemical) with Specialization in Env. Engg	28825	30300		
9	Compter Science & Application				
	M.Sc.-I(Hons.)	11825	12500		
	MCA(M)-I	32525	34200	35900	
10	Geology				
	B.Sc.-I	12485	13200	13800	
	M.Sc.-I	11825	12500		
11	Mathematics				
	B.Sc.-I	11165	11800	12400	
	M.Sc.-I	10765	11400		
12	Microbiology				
	B.Sc.-I	12485	13200	13800	
	M.Sc.-I	11825	12500		
13	Human Genoms				
	M.Sc.-I	43025	45200		
14	Physics				
	B.Sc.-I	12485	13200	13800	
	M.Sc.-I	11825	12500		
15	Statistics				
	M.Sc.-I	10765	11400		
	M.Phil	11600			
16	University Insitute Pharmaceutical Sciences				

	Department/ Courses	Fee per annum for Ist year 2019-2020	Fee per annum for 2nd year 2020-2021	Fee per annum for 3rd year 2021-2022	Fee per annum for 4th year 2022-2023
	B.Pharma	15665	16500	17300	18200
	M.Pharm	28825	30300		
17	Zoology				
	B.Sc.-I	12485	13200	13800	
	M.Sc.-I	11825	12500		
	M.Phil	11600			
18	Anceint Indian History , Culture and Archaeology				
	M.A.-I	9825	10400		
19	Tibetan & Chinese Languages				
	Certificate Diploma & Advance Diploma	9480			
	P.G.D. in Buddhist Studies	9925			
20	Centre for Women Studies & Development				
	M.A.-I	9825	10400		
	PG Dip in Women Studies	40470			
21	Defence & Startegic Studies				
	M.A.-I	9825	10400		
22	Economics				
	M.A.-I	9825	10400		
	B.A.(Hons.)in Eco, 5 yrs Integ	17100	18000	18900	
	M.A.(Hons.)-I	21435	22600		
	M.Phil	10665			
23	Education				
	M.A.-I	9825	10400		
	M.Ed(Gen)	12405			
24	English				
	M.A.-I	9825	10400		
	M.Phil	10665			
25	Deptt. Of Arts History& Visual Arts				
	M.A.-I	9825	10400		
26	French				
	M.A.-I	9825	10400		
	C.C. in French	9480			
	A.D. in French	9480			
	Dip. in French	9480			
27	Gandhian Studies				
	M.A.-I	9825	10400		
	M.Phil	10665			
28	Geography				
	M.A.-I	9825	10400		
29	German				
	C.C. in German	9480			
	A.D. in German	9480			
	Dip. in German	9480			
30	Hindi				
	M.A.-I	9825	10400		
	Dip in Translation Eng to Hindi	9825			
31	History				
	M.A.-I	9825	10400		
	M.Phil	10665			
32	Indian Theatre				
	M.A.-I	9825	10400		
33	Library Science				
	B.Lib-I	15935			
	M.Lib-I	15935			
34	School of Communication Studies				

	Department/ Courses	Fee per annum for Ist year 2019-2020	Fee per annum for 2nd year 2020-2021	Fee per annum for 3rd year 2021-2022	Fee per annum for 4th year 2022-2023
	M.A. Journalism and Mass Communication	18315	19300		
35	Music				
	M.A.-I(Vocal)	9825	10400		
	M.A.-I(Inst.)	9825	10400		
	M.Phil(I & V)	10665			
	Hobby Classes in Music	5200			
36	Punjabi				
	M.A.-I	9825	10400		
	M.Phil(G)	10665			
	M.Phil(GGS)	10665			
	Dip in Translation Eng to Punjabi	9825			
37	Philosophy				
	M.A.-I	9825	10400		
	M.Phil	10665			
38	Physical Education				
	B.Ped	11305	11900		
	M.PEd.-I	12405	13100		
	M.Phil	11875			
39	Political Science				
	M.A.-I	9825	10400		
40	Psychology				
	M.A.-I	10355	10900		
	M.Phil	11600			
41	Public Administration				
	M.A.-I	9825	10400		
	M.Phil	10665			
42	Russian				
	Certificate Advance Diploma and Diploma courses	9480			
43	Sanskrit				
	M.A.-I	6065	6400		
	Diploma Course in Vedic Astrology	12000	12600		
	Higher Diploma in Vedic Astrology	12000			
	Research Programme in Vedic Astrology	12000			
	Specialized Diploma in Medical Astrology	12000			
44	Sociology				
	M.A.-I	9825	10400		
45	U.B.S.				
	MBA All Stream	18725	19700		
	M.Com(Hons.)-I	47795	50200		
46	Urdu/Persian				
	M.A.-I	9825	10400		
	Certificate, Advance Diploma and Diploma courses	9480			
47	Deptt. Of Life Long Learning Extension				
	Dip. in Pre-School Education	21425			
48	PU-ISSER				
	B.A.(Hons.)	17100	18000	18900	
	M.A.(Hons.)	21435	22600		
49	GURU NANAK SIKH STUDIES				
	MA-I(Compt. Study of Regions)	18235	19200		
50	Laws				
	LL.B-I	12345	13000	13700	
	LL.M-I one year course	28505			
	VVBIS & IS HSP				
	M.A- Sanskrit, Park Shastri and Acharya Course	6065	6400		

	Department/ Courses	Fee per annum for Ist year 2019-2020	Fee per annum for 2nd year 2020- 2021	Fee per annum for 3rd year 2021-2022	Fee per annum for 4th year 2022-2023
51	Panjab University Regional Centre MUKTSAR				
	M.A. of All Stream	9825	10400		
	LL.B-I	12345	13000	13700	
	MCA-I	32525	34200	35900	
	M.Phil(Pbi)	10665			
	M.Phil(Pol.Sci.)	10665			
52	Deptt. Of Evening Studies				
	B.A/B.Com	10505	11100	11600	
	M.A of All Stream	10415	11000		
53	Panjab University Regional Centre MUKTSAR (KAUNI)				
	B.A/B.Com	9975	10500	11000	
Note:-	The Departmental / Students Societies funds shall be charged sepreatly by the concneced deaprtments accordingly to the decesion of respective Department Committies.				

(A) Fee structure for Foreign National/PIO/NRI Candidates admitted against the seats created for them in some Teaching Departments:-				
Sr. No.	Class/Course	Tuition Fee US \$	Development Fund US\$	Total Fee US\$
1.	University Business School			
	M.B.A (Gen IB, HR & Bio-Tech)	6750	750	7500
	M.Com (H.S)	1905	210	2115
2.	Computer Science & Application	5145	570	5715
	(i) M.C.A	4595	510	5105
	(ii) MCA Evening	1925	215	2140
	(iii) M.Sc. (Hons. School)			
3.	Dr. S.S. Bhatnagar University Institute of Chemical Engg. & Tech			
	(i) B.E. (Chemical)	6430	715	7145
	(ii) B.E. with MBA	4595	510	5105
	(iii) M.Tech (Polymer)	3865	430	4295
	(iv) M.Sc. (Ind Chem.)	1925	215	2140
	(v) M.E.(Chem.)	3850	425	4275
4.	University Institute of Pharmaceutical Sciences (i) B. Pharm.	3865	430	4295
	(ii) M. Pharm.	3850	425	4275
	(iv)M. Pharm. (drug Discovery& Drug Development Pharmaceutical)	Rs.574325	Rs.63815	Rs.638140
				Rs. 50,000/- as contingency (ii) only
5.	B.Sc. (H.S) Science Deptt Anthropology, Botany, Chemistry, Geology, Mathematics, Physics & Zoology	1285	140	1425 p.a.
6.	B.Sc. (H.S) Basic Medical Science Deptt of Bio-Chemistry, Bio-Physics & Microbiology	1925	215	2140 p.a.
7.	M.Sc. (H.S) Science Deptt Anthropology, Botany, Chemistry, Geology, Maths, Physics & Zoology	1925	215	2140 p.a.
8.	M.Sc.(H.S) Basic Medical Science Bio-Chemistry, Bio-Physics & Microbiology	2575	285	2860 p.a.
9.	M.Sc.(Deptt of Statistics)	1925	215	2140 p.a.
10.	University Institute of Engg. & Technology			
	(i)B.E. Courses	6430	715	7145 p.a.
	(ii)M.E. Courses	3850	425	4275 p.a.
	(iii)M.Tech. (Microelectronics)	3865	430	4295p.a.
11	Deptt of Bio-Technology			
	(i) B.Sc. (H.S)	2575	285	2860p.a.
	(ii)M.Sc.	3850	425	4275 p.a.

12.	Centre for Environment & Vocational Study (M.Sc.)/ Human Genome (M.Sc.)	1925	215	2140 p.a.
13.	RSIC/UCIM M.Tech. (Instrumentation)	3865	430	4295 p.a.
14	Deptt of Physical-Education B.P.Ed & M.P.Ed	1285	140	1425 p.a.
15	M.A. (All Subjects)	1285	140	1425 p.a.
16.	Deptt of Laws (i) LL.B (3 year course) (ii) LL.M (1 year course)	2575 2600	285 290	2860 p.a. 2890 p.a.
17.	Deptt of Library & Information Science (M.Lib & Inf. Science.)	1925	215	2140 p.a.
18.	School of Communication Studies M.A. (Journalism & Mass Communication)	3850	425	4275 p.a.
19.	Deptt of Economics (i) B.A. (H.S) (5 year integrate programme) (ii) M.A. (H.S) -do- (iii)M.A.	1285 1925 1285	140 215 140	1425 per sem. 2140 per sem. 1425 p.a.
20.	PURC Ludhiana (i) B.A. LL.B (ii) LL.B (iii) MBA (iv) LLM	2575 2575 6750 2730	285 285 750 305	2860p.a. 2860p.a. 7500 p.a. 3035 p.a.
21	University Institute of Legal Studies Chd/SSGPURC Hoshiarpur i. B.A. LL.B ii. L.L.M	2575 2730	285 305	2860 p.a. 3035 p.a.
22	Dr. Harvansh Singh Judge Institute of Dental Science & Hospital, BDS Course	B.D.S 1st year 18395 B.D.S 2nd to 4th year 6135	2045 680	20440 p.a. 6815 p.a.
23	University Institute of Emerging Areas in Science & Technology i) M.Sc. (Microbial Bio-Tech) ii) Master in Public Health iii) M.Sc. in System Biology & Bio Informatics iv) M.Sc. in Nuclear Medicine (Bio-Physic) v) *M.Sc. in Medical Physics vi) M.Tech. Nano Science & Nano Tech vii) M.Sc. in Stem Cell & Tissue Engg	Rs 137840 1905 2530 1905 1905 3850 Rs.137840	15315 210 285 210 210 425 15315	Rs.153155 p.a. 2115p.a. 2815 p.a. 2115 p.a. 2115 p.a. 4275 p.a. Rs.153155 p.a.

24	University Institute of Fashion Technology & Vocational Development (i) B.Sc. in Fashion & Life Style Tech (ii) M.Sc. in Fashion & Life Style Tech	3790 3850	420 425	4210 p.a. 4275 p.a.
25	University Institute of Hotel and Tourism Management B.Sc. (HHA & T.M.)	3790	420	4210
26	Psychology (Post M.A. Diploma one Year) (i) Professional Counseling & Psychotherapy (ii) Psychological Testing	1925	210	2135 p.a.
27	Physics i) B.Sc. (H.S) in Physics & Electronics ii) M.Sc. (H.S) in Physics & Electronics	2305 3850	255 425	2560 p.a. 4275
28	University Institute of Applied Management Science (MBA) i) Retail Mgt ii) Banking & Insurance iii) Telecommunication & I.T. iv) Infrastructural Management v) Pharmaceutical Management vi) Hospital Mgt	Rs.5,74,325/-	63815	Rs.6,38,140/- p.a.
29	University Institute of Emerging Area in Social Sciences i) M.A. (Social Work) ii) M.A. (Police-Administration) iii) M.A. (Human Rights & Duties)	1905	210	2115 p.a.
30	M.Phil Courses (Arts/Science)	1260	160	1420 p.a.
31	Defense & National Securities Studies/ Life Long Learning & Extension (i) PG Diploma in Disaster Management & Security (ii) PG Diploma in Homeland Security (iii) Diploma in Pre-school Education	1135	125	1260 p.a.
32	Certificate /Diploma /Advance /Diploma Course	1135	125	1260 p.a.
33.	Geography /Community Education & Disability Studies (i) Master in Remote Sensing / Disaster Management (ii) B.Ed/ M.Ed Special Education	1905	210	2115

34.	Fee for Direct Admission of Students (DASA) Dr.SSBUI CET /UIET (i) Nationals of SAARC countries are eligible for 50% tuition fee waiver and will have to pay \$2100 towards 1 st and every subsequent semester and (ii) For children of Indian workers in Gulf Countries the fee is at par with resident citizen. The fee of US\$ 735 has been charged towards tuition fee by DASA for one semester will be adjusted in the 1 st installment as applicable to resident student of UIET & Dr.SSB UICET	3780	420	4200
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Other Charges Applicable of the Students of University Teaching Departments/Centre's and Constituent Colleges

Sr. No.	Particulars	Charges
1.	Migration Fees at the time of admission in First year only (for those candidate who have passed the lower examination from another University/ Councils /Board) except CBSE,HPEB,PSEB,ICSE/HSEB	500
2.	Registration Fee (a) PUPIN No. includes(Registration fee +Enrolment Fee only for First year students) (b) From Foreign/NRI's against General Category (c) From Foreign/National/NRI students, irrespective of the lower examination passed by them from a Foreign/Indian University/Board	500 US\$ 650 US\$ 1000
3.	Foreign Student Welfare Fund (only for NRI/Foreign students)	1500
4.	Re-Admission fee (each Time) With permission of Chairperson With permission of DUI	500 500
5.	Late admission fee with the permission of the Chairperson	1000
6.	Late admission fee with the permission of the Vice-Chancellor	3000

Departmental charges of Evening Studies**(Parking Fee)**

Cycle	Free
Scooter	40 p.m.
Car	70 p.m.

To be charged by the specific departments

1.	Club Fee (Members only)	
	Tennis	1210 p.a.
	Film	240 p.a.
2.	Computer Fee (If computer is an elective subject and not a compulsory subject in a course)	80 per paper if offered in course
3.	Summer Training	740 p.a.
4.	Parking Fee	
	Cycle	Free
	Scooter	40 p.m.
	Car	70 p.m.

NOTE:- FOR FOREIGN NATIONAL/NRI CANDIDATES

- Tuition fee shall be payable annually in the form of bank draft in US dollars/Pounds, sterling/Deutschmark or equivalent amount in Indian currency payable to the Registrar, Panjab University at Panjab University at Chandigarh along with a bank certificate for encashment of Foreign currency of the like amount.
- In addition to tuition fees, the students shall pay Registration fee **\$ 1000** or **\$ 650** as the case +all other dues and charges to the Panjab University as payable by other students of the same class belonging to same category in foreign currency or in Indian Rupees as per university Rules and Regulations.

IMPORTANT NOTE:-

- That Rs 1 p.m. all the students Registered with P.U as a Service Tax and property Tax levied by the Chandigarh Administration.
- All the students at the time of initial enrolment to Panjab University courses on the campus or in the affiliated Institution shall pay Rs. 30/- towards P.U. Alumni House and Scholarship Fund. The money collected by the Affiliated Institution shall be remitted to the said Fund. 20% of the amount so collected by distributed proportionately for award of Scholarship to the University and College students.
- The other charges of Short-term courses the fix charge will be recovered in full other charges on the monthly basis shall be charged as per the duration of the course per month.
- An extra fees of Rs. 4,940/- p.a. be charged from each student obtaining optional paper (671) Numerical Analysis and computation in M.Sc. Math and pass course at the 2nd year level.
- The fee in 3rd year of M.Sc. in Medical Physics during internship period shall be 50% of the 2nd year.
- Forms complete in all respect for grant of any type of fee Concession (i.e. Student Aid Fund, Poverty Basis, Brother-Sister, Ward of P.U. Employee/Freeship, etc must be received in the University office Accounts Branch-II (Students Section) by 30 November 2018 along with requisite documents. No further intimation/Circular will be issued in this regard. Fee concession forms/refund of fee forms will be available on the P.U. website (www.puchd.ac.in)
- Three months executive certificate course in Disaster Mgt in Security (kept on hold from the admission 2015) as per syndicate Para 19 dated 08.03.2015.and computation in M.Sc. Math and pass course at the 2nd year level.

GENERAL REFUND OF FEE RULES

I. Departments where waiting list is being prepared

In this case, the fee refund cases be considered as per the provisions conveyed by the UGC vide Notification No. F.No. 1-3/2007 (CPP-II) dated 23.4.2007 relevant part of which is as under :-

“In the event of a student/candidate withdrawing before the starting of the course, the waitlisted candidates should be given admission against the vacant seat. The entire fee collected from the student, after a deduction of the processing fee of not more than Rs.1000 (one thousand only) shall be refunded and returned by the Institution/ University to the student/candidate withdrawing from the programme. Should a student leave after joining the course and if the seat consequently falling vacant has been filled by another candidate by the last date of admission, the institution must return the fee collected with proportionate deductions of monthly fee and proportionate hostel rent, where applicable.”

Departments where no waiting list is being prepared and the admissions are being done on the basis of merit in the various counselling sessions.

The fee refund cases under this category shall be dealt with as under :-

(i) Students leaves before the last counselling

Full fee deposited by the student shall be refunded after deducting Rs. 1000/- as processing charges and proportionate deduction depending upon the period he remained on University roll.

(ii) Students leaves after last counselling

(a) Full fee deposited by the students shall be refunded after deducting Rs. 1000/- as processing fee and proportionate deduction **in case full seats were not filled up in the last counselling.**

(b) 50% of the fee deposited by the student shall be refunded after deducting Rs. 1000/- as processing fee and proportionate deduction, **in case full seats were filled up in the last counselling.**

(c) In case, the department has **provision for admission after the last counselling date (e.g. lateral entry or migration)** then the balance 50% of fee deposited by the student shall also be refunded in case the seat vacated by the student in the last counselling is filled up thereafter after producing a certificate from the Chairperson/Director of the concern Department in this regard.

(Vide Syndicate Para 12, dt. 4-12-2009)

Note :-

1. The proportionate deduction may be calculated on the basis of number of days from the date of admission of the student i.e. on the day he/she deposits fee and becomes on the roll of the College/ Department/Institute till his leaving the course. This deduction will be in addition to the processing fee of Rs. 1000/-.
2. For this purpose, he/she must apply for refund on the prescribed refund application form through the Head of the Department to the Assistant Registrar Accounts-II.

That the time-period for applying refund of fee by the students be fixed up to 30th November. Refund forms will be available at the P.U. Website forms.puchd.ac.in

3. But in all other Cases of the students continuing their studies, the Library Security will be refunded if he/she will apply within six months from the date of leaving the Department/Institute/Centre/Regional Centre after completing the full course of studies.

II. Refund of Fee Rules of NRI Category and Foreign Nationals

1. In case, the candidate is admitted in the Foreign/NRI category and leaves the course & the seat vacated by a candidate is filled by granting admission to another applicant against the vacated seat, the tuition fee may be refunded to the person after deduction of 10% of the tuition fee as administrative charges. In case a seat vacated by such a candidate is not filled, the tuition fee may be refunded after deduction of 25% of the tuition fee as administrative charges. This will be applicable only in the case where the candidate has left the University Department/Institute/ Centre/ Regional Centre & did not join any other course in the Panjab University. All other funds and charges including Development Fund, in no case, shall be refunded. For this purpose, he/she must apply for refund on the prescribed refund application form through the Head of the Department to the Assistant Registrar Accounts-II. That the time period for applying refund of fee by the students be fixed up to **30th November**. However, all other funds & charges including development fund, shall not be refunded under any circumstances, except refundable Library Security.

2. If a student originally gets admission in a University Department/Institute/Centre /Regional Centre under Foreign/NRI category or in General/Reserve Category and leaves the same for joining another course in the same Department or another Department/Institute/ Centre/Regional Centre in the Panjab University during subsequent counselling of Foreign/NRI category or in General/Reserved Category, his/her tuition fee, registration fee and other charges including Development Fund shall be adjusted on admission in the later course/Department/Institute /Centre/ Regional Centre in the same session only. If there is any excess amount still left after the fee adjustment i.e. balance sum if any, shall be refunded after a deduction of Rs.500/- (Rs. five hundred only) as Administrative charges.

Provided :-

- (i) If a student is shifted from NRI/Foreign to General/Reserved category then the Registration Fee and Development Fund already charged from such students shall be refunded fully in case the seat vacated by such NRI/Foreign student is filled by the another same category.
- (ii) In case the seat vacated by NRI/Foreign student in consequence of his/her shifting to General/Reserved Category is not filled by any other candidate of same category then the Registration Fee & Development Fund already charged from such student shall be adjusted in the same Department/Institute/Centre only to the extent of the Registration Fee & Development Fund as applicable to the General/Reserved student in the same session only the balance of Registration Fee & Development Fund shall neither be adjusted/carried forward nor be refunded any circumstances.
- (iii) In case due to unavoidable circumstances, on shifting to another course in the same Department or another Department/Institute/Centre/Regional Centre of the Panjab University a student has again deposited the tuition fee, development fund and other charges in the later Department/Institute/Centre/Regional Centre of the Panjab University, his/her tuition fee and other charges deposited in the earlier Department/ Institute/ Centre/Regional Centre shall be refunded as per (i) and (ii) above.
- (iv) The 'Excess Fee' deposited by the ongoing student/s shall be refunded after a deduction of Rs.500/- (Five hundred) as administrative charges as in case of freshly admitted students under Rule no. 2.

(Vide Syndicate Para 26, dt. 4-1-2014, 16-1-2014)

- (v) For adjustment/refund, he/she must apply on the prescribed refund application form for adjustment/refund of the tuition fee and other charges as the case may be within 15 days from the date of shifting to another Department/Institute/ Centre/Regional Centre through the Head of the later Department to the Assistant Registrar Accounts-II.
- (vi) Carry forward/adjustment of excess fee in the subsequent session/class/year shall be allowed only if the duration of the course is more than one year.

(Vide Syndicate Para 9, dt. 18-02-2019)

- (vii) The fifteen days shall be counted from the date of his/her latest shifting i.e. whichever is later.

- III. The shifting of a NRI candidate to General/Reserved category seat is allowed strictly on merit only during the current session/year up to the date of the last counselling. Even if some seat falls vacant after the date of last counselling during the same session/year, it shall not be allowed to fill up. It shall also not be allowed in the next/subsequent session/year under any circumstances even if there may be vacant seats in the department/institute/regional centre under General/Reserved quota seats in the said class/course.
- IV. A student who pays tuition fee in advance for the entire course or a term, but is not selected for admission to a class, shall be entitled to a refund of whole fee provided he/she claims the refund within a period of three months from the date fixed for admission.
- V. A student who has paid fees in advance for a term and who does not join or withdraws his name after having been admitted to a class, shall not be entitled to the refund of tuition fees for the month/s for which his name remains on the rolls of the class.
- VI. If a student is admitted provisionally pending declaration of the lower examination result, the fees for the period his name remains on the rolls of the department/college shall not be refundable. In case he fails in the lower examination, such fees may be adjusted if he decides to continue his studies in the lower class.

(IV, V, VI Cal. Vol. 2009 at Page No. 581)

VII. No fee be refunded to the ongoing student/s who left the course in the mid of the course i.e. 2nd semester and thereafter including those who were admitted with late fee/charges in any course in the Teaching Department/Institute and its Regional Centre & later wished to withdraw or left his/her seat in the 'mid of the course'.

(Vide Syndicate Para 26, dt. 4-1-2014, 16-1-2014)

VIII. Adjustment of Tuition Fee & other charges in the next semester/session of UIET and University Institute of Legal Studies/Institutes and all other classes.

(Vide Syndicate Para 51 dt. 29-6-2010)

- (1) tuition fee be charged semester-wise but other charges be taken annually e.g., Development Fund, Sports Fund, etc. which are not refundable/adjustable;
- (2) if a student was not permitted to attend the class of a semester due to one or the other reason, he/she be not asked to pay the fee for the said semester, if already paid, only rejoining fee/ charges be charged from him/her
- (3) if a student attended any class/es of the semester where he/she has been declared 'detained' at the time of the start of the semester, he/she would be charged again whenever he/she becomes eligible and attends the class again;

Tuition fee will be charged for twelve months in a year (i.e. from July to June)

The tuition fee etc. for the full academic year will be collected by the University Office, through its SBI Extension Counter in two installments as under on specified dates.

The name of the admitted students will be brought on the rolls of the class on production of receipt of full dues paid otherwise their admission shall be held null and void.

Each student is required to pay tuition and other fees in two installments i.e. one at time of the admission and the 2nd during 10th November to 30th November. Students who are absent, or on leave, on the prescribed dates will arrange to deposit their dues for the 2nd installment through someone. The names of such students who will not deposit 2nd installment of tuition and other fees shall be struck off the rolls of the Department w.e.f. 1st December and shall not be allowed to attend the classes. Their admission forms for the University examinations shall not be forwarded to the University also.

Students whose names have been struck-off for non-payment of dues for the 2nd installment can seek re-admission through the Chairperson of the Department concerned within one month from the date of their names are struck off and they shall be required to pay their dues along with prescribed fee with the University. They will be allowed to attend the classes only on production of original receipts to the Department.

After the lapse of this period, re-admission would be granted by the D.U.I. only in very hard and genuine cases, within the same academic year and their admission forms for the University examinations shall be forwarded subject to the condition of completion of lectures. In such cases the students shall deposit their fees along with prescribed re-admission fee with the University and obtain clearance slip from the Student Section of the Accounts Branch (Administrative Block) before they are allowed to attend the classes by the Department and their examination forms are forwarded to the University.

Notes :- 1. Students partly defaulter for tuition and other fees shall be required to clear their dues by 30th January and obtain clearance certificate from the Student Section of the Accounts Branch in the Administrative Block failing which their Roll Nos. for the University examination shall not be delivered by the Departments.

2. All kinds of fee concessions are granted by the D.U.I. and as such no adjustment/exemption of fees can be exercised by the students themselves, though eligible for fee concession he/she may be unless he applies for the concessions and the same is granted by the D.U.I. If a student who has not applied for a fee concession and does not pay fee for a term, he/she will not be considered on rolls of the Department.

Important Instructions:

Students while depositing their fees, should quote Department, Class and Roll Number. Before leaving the Cash Counter, they should check the particulars given on the receipt. The Office shall not be responsible for wrong adjustment of fees if correct and complete particulars are not given in the receipt.

Students who migrate from any other college to a University Teaching Department shall pay their tuition and other fees, along with the charges and security from the succeeding month in which their migration is sanctioned by the University (in the case of Inter-University Migration, from the month of joining the Department), immediately on migration, after consulting the concerned Assistant Registrar in the University Office. Otherwise they shall not be allowed to attend the classes and their admission shall be held null and void.

Fee Concession & Financial Assistance

1. (a) Scholarship : A large number of scholarships of varying amounts are offered under certain schemes sponsored by the Government of Punjab, Haryana, Union Territory of Chandigarh and Himachal Pradesh, details of which may be had from the offices of the Directors of Education of Punjab, Haryana, Union Territory of Chandigarh and Himachal Pradesh respectively.
- (b) (i) The Dean of University Instruction may grant exemption from payment of University tuition fee up to 10 per cent of the total number of students in a class. If the number of students in a class is less than ten, the D.U.I. may grant full or half fee concession to one student.
- (ii) The fee concessions over and above the full and half fee concessions allowed under Rule 1 shall be as follows :
 - (a) the eldest to pay full fees and the younger to pay half the tuition fees.
- (c) Scheduled Caste students belonging to Punjab, Haryana and Himachal Pradesh will be paid their Scholarships, along with tuition fee and University Examination fee, etc. by their respective Governments provided the students apply for the same through their respective Chairperson of the Department.
 - (a) The SC/ST students be advised to submit Income Certificate (duly attested by Magistrate) at the time of admission, so that benefit of financial assistance given is expedited.
- (d) Some financial aid is also available for deserving students from "Panjab University Students' Aid Society" which is a voluntary organisation.
- (e) (i) Blind students who join a regular degree/Post-graduate degree/self-financial courses at the P.U. would be allowed exemption from payment of tuition fee only for progressive courses and not for parallel courses and rules as applicable to other, students would be applicable to the blind students.
- (ii) The free education, including examination fee, be provided to the completely blind student belonging to below poverty line, as described by the relevant Government notification/s, in any course/self-financing courses, only for progressive courses and not for parallel courses in the University and its affiliated Colleges, subject to the student being otherwise eligible.
The candidate has to submit an affidavit to this effect by 1st class Magistrate. Hostel Fund subsidy may also be provided apart of this. Provision for the free hostel accommodation may also be considered by the Dean of Student Welfare, if required by the student, but he will have to pay the mess and canteen charges regularly i.e. every month, which are already subsidized, failing which the penalty would be imposed, as applicable. A limited number of course books (one per paper) may also be provided, which would be returnable after the completion of the course.
(Vide Syndicate Para-19 dated 18-5-2014).
- (iii) The fee concession and Financial Assistance be also given to the person with Physical Disability (PwD) as is available to the blind students.
(Vide Syndicate Para-10 dated 16-03-2019).
- (f) Free education to children of persons killed in November, 1984 riots and terrorist violence in Punjab State. [Approved vide Syndicate para 5 (Statement A) dated 25-4-1987].
- (g) Exemption in fee for wards of martyrs/permanent disabled (up to 80% leading to incapacitation) of Kargil War who have a valid certificate from the Ministry of Defence to this effect and the same is entered in the Pension Book of the family. (up to academic year 2020-21).
(Vide Circular No. Misc./A-6/3501-3725 dt. 18-4-2007)

Note : That there shall be no brother-sister tuition fee concession or ANY OTHER fee concession including NRI fee, in respect of the following partially self-supporting courses at the University and its Regional Centres :

1.	B.A.LL.B. (Hons.) Five-Year Integrated course	University Institute of Legal Studies, Chandigarh
2.	B.A.LL.B. (Hons.) Five-Year/ Three Year Integrated course	Panjab University Regional Centre, Ludhiana
3.	B.E. Courses	Panjab University Swami Sarvanand Giri Regional Centre, Hoshiarpur
4.	B.E./M.E. Courses	University Institute of Engineering & Technology, P.U., Chandigarh

5. B.D.S. Dr. Harvansh Singh Judge Institute of Dental Sciences & Hospital, P.U., Chandigarh
6. B.Ed., M.Ed., P.G.D.C.A., M.F.C. USOL and P.G. Diploma in Mass Communication
7. M.Sc. in System Biology and Informatics, Master in Public Health, M.Sc. Nuclear Medicine Centre for Emergency Areas in Science & Technology.
8. Any other partially Self-supporting course which may be introduced in future

(Vide Syndicate Para 42, dated 27-5-2006).

- 2*. From the admissions of 1987-88, employees as well as sons/daughters of University employees studying in the University Teaching Departments/Colleges/enrolled in the University Department of Correspondence Studies be granted tuition-fee concession as under :-

- | | | | |
|------|--------------------------------|----|-----------------------------|
| (i) | Employee or one Child | .. | Full tuition fee concession |
| (ii) | 2nd and other children, if any | .. | Half tuition fee concession |

Note- In case the employee himself is in receipt of full fee concession, then all of his children will be entitled to half fee concession only.

Provided that in the case of such an employee who fails in the examination for which he is permitted or whose conduct is reported unsatisfactory or who does not take proper interest in the office work, the concession to him will be discontinued.

3. The sons/daughters of in-service and confirmed employees of the Panjab University be given 50% fee concession in the category of NRI candidates, in all such courses where this concession has already been granted by the Board of Finance/Syndicate/Senate for the sons/daughters of Panjab University employees, with effect from the session 2003-2004. Employment certificate for the purpose be issued by the Head of the Department/Branch concerned for each year of the course.

In case, during the course of study, the employee retires or leaves the service, the concession would be withdrawn for the subsequent years of the course. However, in the case of employees who die in harness before the age of superannuation, the concession would be available upto the age of superannuation.

**Sr. No. 2 & 3 Cal. Vol. III, 2009 at page No. 576, 577.*

4. Minor sisters and minor brothers of a member of the University staff living with him will be eligible for fee concession like sons and daughters of a member of the staff, provided the sister or brother is wholly dependent upon the University employee.
5. The wife of a University employee who is not working but is studying in a University College/Department or has enrolled herself with the Department of Correspondence Studies will be granted fee concession as available to sons/daughters and dependent sisters or brothers of an employee.
6. From the examinations of 1988; the refund of examination fee on passing a University examination be granted to all class-B and C employees only, irrespective of the limit of pay.
7. The dependent sons/daughters of retired University employees shall also be entitled to the fee concession on the same basis as admissible to the dependent sons/daughters of in-service University employees.
8. (i) The fee is granted by Syndicate at its meeting held on 13-12-2010 Vide Para-17 as under:
“that 25% tuition fee concession be granted to serving University employees and their wards and also to the wards of retired University Employees studying in self financing courses.
- (ii) This decision was extended by Senate Vide Para XXIV Dated 4-4-2010 item No. 19(ii) and Syndicate Para 27 dated 15 & 25-4-2013, respectively as under :-
 (a) “that the concession of 25% tuition fee in self-financing courses be extended to the wards of College teachers of affiliated colleges studying in the University other than NRI category, it be paid out of the College Development Council Fund”.

(Vide Senate Para XXIV dt. 4-4-2010)

(b) The above concession has also been extended to the wards of retired teachers of affiliated colleges.

(Vide Syndicate Para 27 dt. 15& 25-4-2013)

Note: Forms complete in all respects for grant of tuition fee concession on the basis of poverty, brother/sister/daughters/dependents of University Employees Student Aid Fund should reach the University Office by 15th Sept. for all categories of students. The applications for fee concession received after the due date shall not be entertained. The concessions are available only for one year. All such students shall pay full fee till concession are granted by D.U.I. Non-payments of tuition fees at own shall be treated as ‘Struck off.’

9. Guidelines for freeship and tuition fee concession :

- (i) The University may provide five per cent of seats freeship for meritorious students belonging to economically weaker sections of the society in all partially Self-Supporting courses/departments running in Panjab University/ Institutes/Regional Centres of the Panjab University.
- (ii) Freeship would mean (tuition fee+Lab. charges) concession only, not to be claimed by students as a matter of right.
- (iii) At the first instance, the concerned Board of Control/Coordinator shall fill all the sanctioned seats by following the normal admission procedure.
- (iv) The concerned Board of Control/Co-ordinators shall list out the candidates who are eligible for freeship concession.
- (v) For the purpose of the above concession, candidates must have passed the qualifying examination in the first class (60 per cent marks-proof to be added) and the total family income from all sources not exceed Rs. 2.5 lac per year. For proof of family income from all sources should not exceed Rs. 2.5 lac per year, the income certificate shall be accepted when issued by the competent authority which shall mean the Tehsildar, SDM or the employer as the case may be. In addition an affidavit duly attested by a Magistrate, giving full details of total family income should be submitted. Candidates holding yellow cards/yellow ration cards would be given preference over other candidates provided other merit conditions remained the same.
- (vi) For continuation of the freeship granted to students during the first year of admission to a course, the following rider be imposed :
“The freeship will be continued in the subsequent years only if the student passes the previous examination with a minimum of 60 percent marks in the aggregate for science students and 55 percent marks for students in departments other than science. The student should have passed the examination in first attempt i.e. should not have a reappear or compartment.” Photocopy of lower examination passed detail marks certificate may enclosed with the refund form.
- (vii) Those students whom intend to seek the concession must enclose all the relevant documents along with the admission/counseling form so that cases be decided right at the time of admission. They are further required to submit an affidavit along with the admission form that if any document is found to be false or any information found to be concealed their admission will be cancelled.
- (viii) Seats equal to the number of candidates who have been given shall be filled up over and above the sanctioned seats of the concerned course in the same/subsequent counseling following the original merit list of general category.
- (ix) On shifting from one Course to another, a student, if provided tuition fee concession in the previous Course, will be entitled to claim the said concession in the latter course only if the said concession is available in the latter course.

10. Guidelines for grant of fee concession to the students, whose both parents are not surviving and there is no source of income and those whose father has expired and mother is not able to bear his/her expenditure towards studies.

(Vide Syndicate Para 27 dated 29-2-2012).

Following documents/Information shall be submitted by the student and verified by the Department:

1. Concession be applicable for tuition fee only.
2. Proof of Death be submitted by the candidate.
3. There should be no academic arrears in the year of getting the benefit.
4. 10% of tuition fee plus admissible funds be taken from such students at the time of admission in the 1st year. After confirming the claim of the students, the concerned Chairperson/Director will recommend the refund of 10% tuition fee paid by the student.
5. For subsequent years, no tuition fee be charged from the eligible students those who fulfill the conditions. However fee towards funds shall be paid by the student.
6. Student should not involve in ragging or any other misconduct/violation of University Rules.
7. Student must attain the minimum percentage of attendance as prescribed by the University in the current year i.e. not less than 75%.
8. Family income of student does not exceed Rs. 2,50,000/- p.a.

Syndicate Para 47 R (xxxvi dated 27.11.2016)

9. Student must submit evidence in the form of affidavit duly attested by the 1st class Magistrate certifying that:-
 - (i) The income of the surviving mother or guardian is not more than 2,50,000/- per annum including the income accruing from agricultural land or any urban property/shop/business.
 - (ii) Not getting any fellowship/scholarship from any source. If getting any fellowship/scholarship, the student will have to refund the amount of fellowship/scholarship to the University to get the benefit of 100% exemption in tuition fee under this category.

11. STUDENTS AID FUND :-

For deserving and needy students, financial assistance is available from Student Aid Fund, maintained by the University.

1. Income certificate from a competent authority which shall mean the Executive Magistrate, Tehsildar or the employer as the case may be is must for availing Student Aid Fund.
2. Those students who have passed their previous examination with the minimum 50% marks be eligible for Financial Assistance.
3. Full fee will be charged from the Economically Weaker Students (EWS) at the time of admission and financial assistance will be provided to such students as per income slab.

(Vide Syndicate Para 15 dated 10-04-2019)

4. Before the disbursement of Student Aid Fund an 'UNDERTAKING' be obtained from each student of the department that he/she is not availing any scholarship/stipend/financial assistance from the concerned department or any other source/s moreover the same is to be certified by the Head of the department.
5. Students covered under Self Finance courses are not entitled for availing Student Aid Fund.

Slab of Annual Family Income from all sources

All Teaching Departments- USOL / VVBIS & IS Hoshiarpur	1. Up to 1,00,000/- 2. 1,00,001 to 2,50,000/- 3. 2,50,001/- to 4,00,000/-	Amount to be disbursed to a student as approved by the Vice-Chancellor on the recommendation of the Committee depending upon the number of applicants and available funds for each academic year.
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The amount of help given to a student under this scheme in an academic year shall be decided by the Syndicate from time to time.

(Vide Syndicate Para 44 1/15/28/29-05-2016)

Note : That the time period for applying fee concessions by the students be fixed up to 30th November.

Guidelines for Grant of "Means-Cum-Merit based Tuition fee Support"

1. A separate budget provision for **Rs. 75 lakh** under the head "Means-cum-Merit based Tuition Fee Support" created for providing tuition fee support as below :-

Family Annual Income	Scholarship to be provided
Less than Rs. 1 lakh	100% of the tuition fee
Between Rs. 1 lakh-Rs. 1.5 lakh	75% of the tuition fee
Between Rs. 1.5 lakh-Rs. 2.5 lakh	50% of the tuition fee
Between Rs. 2.5 lakh-Rs. 3.5 lakh	10% of the tuition fee
Between Rs. 3.5 lakh-Rs. 4.5 lakh	5% of the tuition fee

2. The terms and conditions of this scheme is recommended as below :-

- (i) Student must submit Full detail of total family income from all sources including the income accruing from agricultural land or any urban property/shop/business/ maintenance under certificate duly verified by Chairperson/ Director of the respective department
- (ii) A student who claims Tuition Fee support under this scheme shall not be considered for providing financial assistance under any other scheme of the University.
- (iii) The total tuition fee support under this scheme to the students of a particular department shall not exceed 10% of the total budget provision under this head.
- (iv) In case the amount of tuition fee support in reference to total number of applications received in a department exceeds the total limit of Tuition Fee Support as per the above clause, then the total number of applicants shall be reduced proportionately in each slab on the basis of the merit. In such exercise, while rounding the total Tuition Fee

Support in each slab, the overall ceiling of the concerned department can exceed the limit of 10% up to maximum of Rs. 20,000/-.

- (v) The scholarship shall be given to the students pursuing regular degree courses only. The diploma or certificate courses shall not be considered.
- (vi) A student must deposit the admission fee and admissible funds at the time of admission.
- (vii) The Tuition Fee Support shall be continued in the subsequent years only if :-**
 - a. The student passes the previous examination with a minimum of 60 percent marks in the aggregate or CGPA 6.3 for Science/Engineering students, whichever is applicable and 55 percent marks for student in departments other than science.
 - b. The student must have passed the Examination in first attempt i.e. should not have a reappear or compartment. "Photocopy of lower examination passed detailed marks certificate may enclose along with application form.
- (viii) Any case not covered under the above scheme can be recommended by D.S.W. and D.U.I. to Vice-Chancellor for providing Tuition Fee Support under the above scheme by recording special reasons and circumstances of the case to justify such support.
- (ix) The application forms under the said scheme be duly recommended by Chairperson/Director of their respective Department must reach in the office of Assistant Registrar Account-II by 30th November.

(Vide Syndicate Para 23 dated 13/26.09.2014)

**REVISED AMOUNT OF DONATION FOR INSTITUTION AN ENDOWMENT OUT OF SPECIAL
ENDOWMENT TRUST (SET) FUND**

That the existing amount of donations for instituting an endowments and Schplarships be revised, as under, to cope up the amount of Scholarship/lectures/cash prizes on account of Special Endowment Trust (SET) Fund :

Existing amount of donation	Revised amount of donation
<p>(i) Medal Rs. 25,000/- (Twenty five thousand) OR U.S.\$ 10,000/- (Ten thousand) OR Pound Sterling 5000/- (Five thousand)</p>	<p>(i) Medal - Rs. 1,00,000/- (One lac) OR U.S.\$ 3,000/- (Three thousand) OR Pound 2000/- (Two thousand)</p>
<p>(ii) Schplarship(s) Rs. 1,00,000/- (One lac) OR U.S.\$ 15,000/- (Fifteen thousand) OR Pound Sterling 7500/- (Seven thousand five hundred)</p>	<p>(ii) Schplarship(s) - Rs. 4,00,000/- (Four lac) OR U.S.\$ 10,000/- (Ten thousand) OR Pound 6500/- (Six thousand five hundred)</p>
<p>(iii) Lecture Rs. 80,000/- (Eight thousand)</p>	<p>(ii) Lecture - Rs. 4,00,000/- (Four lac) OR U.S.\$ 10,000/- (Ten thousand) OR Pound 6400/- (Six thousand five hundred)</p>
	<p>(iv) Cash Prizes - Rs. 1,00,000/- (One lac) OR U.S.\$ 3000/- (Three thousand) OR Pound 2000/- (Two thousand)</p>

(Syndicate Para 18, dt. 31-08-2010)

Scholarships/stipends admissible to the Campus Students out of Special Endowment Trust Funds

S. N.	Departments	Descriptions of Scholarship Name of the Scholarship out of Special Endowment Trust Funds
1.	Anthropology	Prof. (Dr.) S.R.K. Chopra Scholarship: To be awarded to topper in B.Sc. (Hons.) Final @ Rs. 500/- p.m. (for 10 months).
2.	Bio-Chemistry	Dr. Ramji Narain Omvati Scholarship: To be awarded to a final year student of Master on Merit-cum-Need basis @ Rs. 300 p.m. (for 10 months)
3.	Biophysics	Prof. S.R. Bawa Merit Scholarship: The scholarship be based on merit to a student standing first-class first in B.Sc. (Hons.), provided the student is enrolled in M.Sc. (Hons.) @ Rs. 650/- p.m. (for 10 months)
4.	Botany	Guraditta Mal Shiv Ram Fellowship in Bryology: In the discipline of Bryology for 36-42 months for Ph.D. Degree Rs. 500 p.m.(for 36 months)
		Lachmi Durga Scholarship: To a girl student of M.Phil. class in Bryology, @Rs. 300 p.m.(for 10 months)
5.	Chemistry	Prof. B.R. Puri Scholarship: To be awarded to a student standing first in the B.Sc. (Hons.) for pursuing studies in M.Sc. (Hons.) (Physical Chemistry) @ Rs. 300 p.m.(for 10 months)
		(a) Late Sh. Sampuran Mahant Memorial Scholarship: To be awarded to a student of M.Sc. (Hons.) final year on the basis of his/her merit in the M.Sc. (Hons.) 1st year examination @Rs. 700/- p.m. (for 10 months)
		(b) Late Smt. Lila Mahant Memorial Scholarship: To be awarded to a student of B.Sc.(Hons.) final year on the basis of his/her combined merit of 1st and 2nd year B.Sc. (Hons.) @ Rs. 500/- p.m.(for 10 months)
		Durga Devi Ram Dass Merit Scholarships: For students of B.Sc. (Hons.) @Rs. 600 p.m.(for 10 months) (each)
		Prof. D.V.S. Jain Merit Scholarship: To a student of M.Sc. Part II (Hons.) @Rs. 400 p.m.(for 10 months)
6.	Chemistry & UIET	Smt. Somwati and Sh. Thakur Das Farwaha Memorial Scholarships: (i) For Chemistry : To be awarded to a student who topped in the B.Sc. (Hons.) and admitted in the 1st year of M.Sc. (Hons.) (ii) For UIET : To be awarded to a student who in the order of merit of CET admitted in the UIET in any stream @Rs. 5000/p.a. (each)
7.	Communication Studies	Smt. D.P. Sharma and Smt. Nirmala Sharma Memorial Scholarship: To be awarded especially for Girl student on the basis of Merit-cum-financial needs @Rs. 2500/- p.m. (10 months)
8.	Computer Sci & Applications	Ram Parkash Mehra Memorial Scholarship: For student of Diploma Course on Merit-cum-Need basis @ Rs. 1500 p.a.(fixed).
9.	Economics	Seth Beni Prashad Memorial Scholarship: To be awarded to the best student of M.A. Part II for his/her outstanding performance in Academics on the basis of result of M.A. Part I class @Rs. 2500/- p.a.
10.	Environmental Science	Mons. P. Jeannert Memorial Scholarship: To be awarded to a candidate who topped in M.Sc. first year @ Rs. 1100/- p.m. for 10 months.
11.	Hindi	Prof. I.N. Madan: To M.A. Part II students as Memorial Scholarships (for 10 months) (each) detailed below : (i) One Scholarship to the Department student standing 1st in class i.e M.A. I (Hindi)(ii) One scholarship to a student standing 1st in M.A. I (Hindi) Exam. in the Panjab University. @ Rs. 250/-p.m. each for 10 months

		Kamal Gupta Memorial Scholarship: To a student of M.A., on Merit-cum-Means basis @Rs. 100 p.m. (for 10 months)
		Late Mrs. Pushpa & Sh. G.L. Chojar Memorial Scholarship: To be awarded to a girl student specially belonging to poor family without distinction of caste, creed or religion doing Ph.D and in case Ph.D. student is not available the same be granted to an M.A. Student @ Rs. 500 p.m.(for 10 months)
		Late Dr. Laxmi Narain Sharma Memorial Scholarship: To be awarded to the candidate standing first in the subject of Hindi in the B.A. Exam. and wishing to do M.A. @Rs. 700/- p.m. (for 10 months)
		Late Begum Iqbal Bano Memorial Scholarship: To be awarded to students who stand first in M.A. Ist & IInd. (i) M.A. Ist (i.e. Total score of semester 1st & 2nd Rs. 1,200/- (p.m.) x 10 months = 12,000/- (ii) M.A. IInd (i.e. Total score of semester 1st, 2nd, 3rd & 4th Rs. 2,100/- (p.m.) x 10 months = 21,000/- Total Rs. 33,000/-
12.	Laws	Bishan Chand Mahajan Scholarship: To a student on Poverty-cum- Merit basis on the recommendation of the Chairperson @ Rs.150 p.m. (for 10 months)
		Dr. J.N. Kaushal Scholarship: To be awarded to a student of LL.B. 1st Sem. on the basis of merit of Entrance Test conducted by the University @ Rs. 1000 p.m.(for 10 months)
		Mr. Justice R.P. Khosla Mem. Scholarship: To a needy and deserving student of LL.M. 1st year for the duration of the Course in the Rs. 1000 p.m.(for 10 months)
		Tikka Jagjit Singh Bedi Mem. Scholarships: To the needy students @Rs. 500 p.m. (each) (for 10 months)
		Sh. H.L. Sarin Memorial Essay & Moot Competition: To students who win All India Essay competition on Rent Law.@ Ist prize Rs. 2000/- IInd prize Rs. 1500/- IIIrd prize Rs. 1000/-
		Late Sh. Ajit Singh Sarhadi Memorial Scholarships: Two students, one from second year and one from final year of LL.B. @Rs. 8000/- p.a. each
		Rajni Rai-cum-C. Rai Barrister Memorial Scholarship: To be awarded to the needy & deserving Law students of Law Faculty of P.U. either to LL.B. students or LL.M. students @ Rs. 400/- p.m. (for 10 months)
		Justice Teja Singh Memorial Scholarship: To be awarded to the student who has been admitted to LL.M 1st semester on need-cum-merit basis @ 50,000/-p.a
13.	Library & Inf. Sci	Surinder & Sarika Mahant Library Science Scholarships: (i) To be awarded to the First Year student of M.Lib. & Information Science (Two year integrated course) on the basis of Financial need-cum- merit. (ii) To be awarded to the Second Year student of M.Lib. & Information Science (Two year integrated course) on the basis of Financial need-cum- merit @ Rs. 450/- p.m. (each) (for 10 months)
		Dr. S.R. Ranganathan Scholarship: To a deserving student of the Bachelor @ Rs.100 p.m. (for 10 months).
14.	Mass Communication	Tara Chand Gupta Memorial Scholarship: On Merit-cum-Means basis @Rs. 400 p.m.(for 10 months)
15.	Mathematics	Smt. Balwant Kaur & Sh. Dhanpat Roy Behl Scholarship: To a meritorious and deserving Post-graduate student@ Rs. 1500 p.a.(fixed)

		Prof. Hans Raj Gupta Memorial Scholarship: For a student B.Sc. (Hons) 1st year class on the basis of written and viva- voce test @Rs. 2000 p.a.(fixed)
		Late Prof. V. C. Dumir Scholarship for Mathematics Excellence: To be awarded to the meritorious student of M.Sc. (Hons.) 1st year and would be continued to that student for M.Sc. (Hons.) 2nd year after examining his/her performance@ Rs. 1000/- p.m.(for 10 months)
16.	Medical College 32	Dr. Prabha Chaudhry Memorial Scholarship: To be awarded to a deserving student (Preferably female) of M.B.B.S. course in final M.B.B.S. Part I & II classes on the basis of Merit-cum-means @Rs. 500 p.m. (for 10 months)
		Darshi Gupta Memorial Scholarship: To award lumpsum amount of Rs. 8000/- p.a. to final year medical student in the University of Panjab who is bright & is finding it difficult to complete the course.
		Dharmpal Sarla & Ramesh Bansal Charitable Trust: Two scholarship of Rs. 1000/- p.m. each will be awarded to the economically weak & promising students in the field of Medicine in any affiliated colleges of the Panjab University for the entire duration of course.
		Smt. Sandhya Devi Memorial Scholarship: To be awarded to a girl student who stands first in 1st year of MBBS examination in first attempt amongst all the girls students in Govt. Medical College Sector-32, Chandigarh @ 7000/- p.a.
17.	Medical College-32/PGI	Chanderlekha Sharma Memorial Nursing Scholarship: To be awarded to a student of B.Sc. Nursing 1st year on the basis of merit in the entrance test @ Rs. 400/- p.m. for the duration of entire course.
18.	Philosophy	Late Mrs Saubhagya & Prof. Prem Nath Mem. Sch.: 1. All four Scholarships be awarded to M.A. students2. 'One' Scholarship in the M.A. 1st year be awarded to the student for standing 'first' in the list of admitted students.3. 'Second' Scholarship be awarded to the student of M.A. 1st year who is both needy and meritorious4. 'Third' Scholarship in the M.A. 2nd year be awarded to the student who secured highest marks in the M.A. 1st exam.5. 'Fourth' scholarship be awarded to the student of M.A. 2nd who is both needy and meritorious.6. An amount of each Scholarship would be Rs. 1,000/- p.m. for 10 months.7. Each Scholarship will be recommended by the Academic Committee of the Philosophy Department every year
19.	Physics	Prof. K.N. Lakshminarayan Memorial Scholarship: For a student who secures first division & first position in B.Sc. (Hons.) without having any reappear @Rs. 200 p.m.(for 10 months)
		S. Shiv Charan Singh Scholarship: On Need-cum-Merit basis for a poor student (Hons) @Rs.150 p.m. (for 10 months)
		Wing Commander S.L. Malhotra Scholarship: To a deserving student who joins the M.Sc. (Hons.) on Merit-cum-Means basis@ Rs. 200 p.m.(for 10 months)
		Dr. B.M. Anand and Mrs. Ram Lubhia Anand Scholarships: One to a student admitted in B.Sc. I (Hons.) on the basis of merit and the other to the most needy student of any class of Physics (Hons.) @Rs. 500 p.m. (each) (for 10 months)
		Prof. P.S Gill Memorial Scholarship: Two scholarships @ Rs. 6000/- p.a. each to be awarded to M.Sc.(Hons.)-II Physics/ M.Sc.(Hons.)-II Physics & Electronics students on the basis of their performance in both the semester of M.Sc.(Hons.)-I, Physics/ M.Sc.(Hons.)-I, Physics & Electronics

20.	Sanskrit	Sh. Charu Dev Shastri Endowment Fund: For standing 1st and 2nd in the subject of Sanskrit Stipends in the B.A. and wishing to do M.A.@Rs. 300 p.m. (for 10 months) (each)
		(i) Late Parameshwara Nand & Smt. Gayatri Devi: To be awarded to a student for standing First in M.A. Sanskrit Part I@ Rs. 700/- p.m. (for 10 months)
		(ii) Late Smt. Padma Sharma: To be awarded to a student of for standing 'Second' in M.A. Sanskrit Part I Exam @Rs. 700/- p.m. (for 10 months)
21.	Sanskrit Colleges	Ragunath Chawla Memorial Scholarship: Three scholarships to be awarded to the students of Shastri Part I, II & III class of the institution affiliated/ associated with Panjab University @ Rs. 150/- p.m. each for 10 months.
22.	Sociology	Baba Prithvi Singh Azad Scholarship: One Scholarship of Rs. 300/- p.m for 10 months shall be awarded to a student of M.A. Part II, having obtained the highest marks in M.A. Part I.
23.	UICET	I.I. C.H.E. Scholarships: To be awarded to one student of each under-graduate @ Ist year Rs.1000 p.a.,@ IInd year Rs.1100 p.a.,@ IIIrd year Rs.1200 p.a.,@ IVth year Rs.1300 p.a.
		Mai Partap Kaur Scholarship: On Merit-cum-Means basis to a student hailing from rural areas of Punjab State (Preferably) @Rs. 200 p.m. (for 10 months).
		Sh. Rajinder Mohan Kumar Memorial Scholarships: Two scholarship pe paid to the students on Merit-cum-Means basis @Rs. 500 p.m.(for 10 months) (each)
		Amrit Kaur Khurana Memorial Scholarship: For student on Merit-cum-Means basis who is:-i) a needy person pursuing studies in Chem. Engg. for B.E Chemical.ii) seriously interested in education,iii) has passed all the examination in first attempt &iv) has obtained atleast 60% marks in all the examinations @Rs. 150 p.m.(for 10 months)
		Thakur Datta Sharma Dharmarth Scholarships: To be awarded to five students of B.E. 1st year class. Purely on merit, determined on the basis of entrance test. Rs. 100 p.m. (for 10 months) (each)
		Yamuna Devi Tejaswiri Scholarships: To be awarded to Two students of Engg. Degree Course (including Chemical Engg.) students on Merit-cum- Means basis @ Rs. 300 p.m. (each)
		3 Class of 1969 Scholarships & 3 Amrit Kaur Scholarship: Six scholarships be paid two each for under graduate classes of IInd, IIIrd & IVth year(including those with the combined MBA programme) on merit-cum-means basis @ Rs. 2000/-p.m. each for 10 months. The applicant must have cleared all of his/her immediate past semesters Examinations with at least 60% marks. There should be no backlog from the immediate past semesters. The student's family income should be no more than Rs. 3 Lakh per year. The student should be willing to perform at least 10 hours of Volunteer work of his/her choice.
24.	UIET	Shanti Rai Sahni Scholarship: To be awarded to a needy and meritorious student who seek admission in Ist year Electronics and Communication Engg. at P.U. Chandigarh @ Rs. 1000/- p.m. (for 10 months)
		Late Abhishek Sethi Memorial award: To be given to one topper student of securing highest aggregate marks from all the courses @Rs. 30,000/- p.a.

25.	UIET, UIAMS, UBS, UICET	Late Mr. Prithish Berry Scholarship: To be awarded to a student pursuing MBA from UBS, UIAMS, UIET and BE+MBA from UICET and should be physically handicapped fulfilling the criteria as prescribed by Panjab University and should have obtained admission through the quota reserved for physically handicapped students @ 3000/- p.m for 10 months every year.
26.	UIPS	Gill Family Charitable Fund (GFCF): 1) Jaswant Singh Gill Pharma Scholarship (JSGPS) to be awarded to three student each from B.Pharma 1st,2nd,3rd,4th year @ Rs.24000/- per semester 2) Jaswant Singh Gill Pharma Research Fellowship (JSGPRF) to be awarded to student enrolled in Ph.D @ Rs.20000/-+Rs.4000(HRA) for 2 years as per MoU.
27.	Mullana School	S.C. Aggarwal Memorial Scholarship: To be awarded to two best passes of High School at Mullana, Distt. Ambala on the basis of Matriculation exam. @ 150/- p.m. each 10 months.
28.	General Scholarship / Stipends	Radha Krishan Prem Kaur Scholarship: To be awarded to the 10 students of B. A. Part-I of P.U. affiliated colleges on the basis of merit-cum-means @ Rs. 150/- p.m. each for 10 months.
		Alfred Woolner Scholarship: To a student of M.Phil./Ph.D., holding the degree of Master of Arts in one of the Indian Languages preferably of the Panjab University @ Rs. 200 p.m. (for two years).
		Late Sh. Pritam Nath and Mrs. Ram Piari Scholarships: To the wards of the University employees studying in the University Departments on the basis of Merit-cum-Means @Rs. 500 p.m.(for 10 months) each
		Sh. Milkhi Ram Sharma Memorial Scholarship: To a student of M.A./M.Sc. resident of Una Distt. Himachal Pradesh on merit basis @Rs. 250 p.m. (for 10 months)
		Dewan Som Nath Stipends: To be awarded to 25 students On Merit-cum-Means basis @ Rs. 400 p.m.(for 10 months) (each)
		P.U. Soldier's Relief Fund Stipends: To be awarded to two candidates, the sons and daughters of members of Defence Services studying in the Panjab University affiliated colleges. Preference will be given to the children of those who are disabled or have been killed in Military operations @ Rs. 400 p.m. (for 10 months) (each)
		Pt. Labhu Ram Sharma Scholarship: To a needy student who have passed his 10+2 exam. from any School/College located in Hoshiarpur Distt. and joined M.Sc. I/II class of any Science Department of Panjab University @ Rs. 500 p.m.(for 10 months)
		Pt. Labhu Ram Sharma and Shanta Sharma Scholarship: To a two needy student who have passed his 10+2 exam. from any School/College located Scholarships in Hoshiarpur Distt. and joined M.Sc. I/II class of any Science Department of Panjab University @ Rs. 500 p.m.(for 10 months)
		Dr. & Mrs. V.S. Puri Scholarship: To a student studying in any Teaching Department on Merit-cum- Means basis. @Rs. 200 p.m. (for 10 months)
		(i) Mrs. Udham Kaur Menon Educational Scholarship To a girl student of B.A./B.Sc. Part-I studying in colleges affiliated to Pb. University, who should be a resident of Nawan Shahar (Pb.) on the basis of Merit-cum-means @ Rs. 800 p.m.(for 10 months)
		(ii) Mrs. Udham Kaur Scholarships Two Scholarships to the girl students Menon Educational (for 10 months) studying in Medical Colleges affiliated to Pb. University Strictly on the basis of Merit-cum-means @ Rs.1000 p.m.(each)
		Late Sh. Hari Ram Luther Memorial Scholarship To be awarded to promising undergraduate mathematics students in his/her B.A. III class @Rs. 9000/- p.a.
		Late (Mrs.) Ved Kaur Luther Memorial Scholarship To be awarded to promising undergraduate Punjabi literature student in his/her B.A. III class @ Rs. 9000/- p.a.

		Late (Mrs.) Vimal Chadha Memorial Scholarship To be awarded to the topper of M.A. previous year examination of the whole of University held every year @ Rs.500/- p.m. (for 10 months)
		Sh. Inder Pal Singh Palu Memorial Scholarship To be awarded to the Ward of 'C' class University employees in the department of Chem. Engg. & Tech., Pharmaceutical Sciences and B.Sc. (Hons.) on the basis of merit of Entrance test for admission to first year Course in their departments. In case any Ward of 'C' class University employee is not available the scholarship may be awarded to the Ward of 'B' class University employee failing which Ward of 'A' class University employees @Rs. 600/- p.m. (for 10 months)
29.	ISSER	Ch. Satya Parkash Ji Scholarship The Scholarship should be awarded to the topper students of ISSER Course as per Bifurcation Below:- 1. B.A. (H.S) 5 years Integrated - 1st position 1200/- (p.m.) for 10 months, 2nd position 1000/- (p.m.) for 10 months 10,000/- and 3rd position 800/- (p.m.) for 10 months 8,000/-
		ENDOWMENT MEDALS
1.	Biophysics	Late Mother Parkash Kunj-MATA GUJRI Gold Medal To be awarded to the student securing highest marks in M.Sc. and pursuing Ph.D. in the medical Biophysics in this institution every year during Panjab University Convocation
2.	Communication Studies	Panjab University Journalists' Society Gold Medal for standing first in the Bachelor of Mass Communication.
3.	Economics	Attar Chand Kapur Silver Medal for standing first in M.A.
4.	Anthropology	Dewan Bahadur Wali Ram Taneja Gold Medal for standing first in M.Sc. Honours Prof. Dr. S.R.K. Chopra, Memorial Gold Medal To be awarded to topper in B.Sc. (Hons.) final
5.	Biochemistry	Dr. Ramji Narain Omvati Gold Medal for standing 1st in B.Sc. (Hons.) Dr. Ramji Narain Omvati Gold Medal for standing 1st in M.Sc. (Hons.)
6.	Biotechnology	Major Harjinder Singh EME World War-II memorial Gold Medal to be awarded every year during the P.U convocation to the student who secures highest marks in M.Sc. (Hons.)
7.	Chemistry	Prof. Prem Singh Silver Medal for standing first in the B.Sc. (Hons.) Surendra Nath Gold Medal to a best all rounder student of B.Sc. (Hons.) Prof. R.C. Paul, Mem. Gold Medal to be awarded to a first class first student of M.Sc. (Hons.)
8.	Economics	Late Sh. Chander Parkash Gold Medal' to the topper of M.A. of Panjab University who secure at least 60% marks (1st year and 2nd year combined).
9.	English	Prof. M.G. Singh Gold Medal for highest marks in linguistics paper related to any group of M.A. final examination, provided the awardee passes the examination in the first or second division in the first attempt.
10.	Hindi	Uttam Devi Medal for the girl candidate standing first in the Prabhakar Examination.
11.	History	Jiwan Mal Malhotra Gold Medal in M.A. examination, on alternate year, to the best candidate on the basis of result of two years. Rajiv Verma I.P.S. Gold Medal for standing first in M.A.
12.	Indian Theatre	Prabhat Memorial Gold Medal to a student for standing first in M.A. examination

13.	Laws	Kartar Singh Chadha Gold Medal for standing first in the LL.B. examination. R.B. Badri Dass Silver Medal for standing first in the LL.B. final Examination.
		Shri Gurbachan Singh Aggarwal Memorial Gold Plated Silver Medal for standing first in Civil Procedure Code/Company Law in LL.B. class in alternate years.
		Dr. J.N. Kaushal Gold Medal for standing 1st in the LL.B. Examination as a whole passing at the first attempt and at one and the same sitting.
		Dr. Paras Diwan Memorial Medal to the topper of the LL.B. Course.
		Dr. Kirpal Singh Gold Medal to a student standing first in LL.M. every year.
14.	Library and Information Science	Dr. Jagdish Saran Sharma Memorial Gold Medal for standing first in the Master
		Sarika and Surinder Mahant Gold Medal to the student receiving First class first in M.Lib. & Information Science (Two year integrated Course) examination.
15.	Mathematics	Prof. Hans Raj Gupta memorial two silver medals to the best graduate students of M.Sc. (Hons.) and M.Sc. 2 year course.
		Pt. Hem Raj Memorial Medal for standing first in the Final B.Sc. (Hons.) Examination
16.	Music	Pt. Tejpal Singh Bandhu Gold Medal: to be awarded to the topper of M.A. Vocal Examination.
17.	Physics	Sh. & Smt. Khushi Ram Kahol Memorial Gold Medals: one for the student who passes through M.Sc. successfully in the first attempt and obtains highest marks in Solid State Physics course offered in M.Sc. II . and another medal to the student who gets the 1st position in first attempt on completion of the M.Sc. programme.
		Late Grandfather Sardar Sher Singh Satauria- DASHMESH PITA Gold Medal: for securing highest marks in M.Sc. (Medical Physics) and pursuing Ph.D. in the Medical Physics/Genetics Studies.
18.	Political Science	P. Sundarayya Gold Medal: for M.A. final Political Science examination, offering the optional paper of Marxism at any level.
		Late Prof. Iqbal Nath Chaudhary Memorial Gold Medal: to a student standing first in M.A. (Political Science) Annual System.
		Late Sh. J.C. Anand Gold Medal: to the topper of the M.A. 1 st year (Semester system) in Western Political thought paper (I & II) every year.
		Late Principal P. L. Anand Memorial Gold Medal: to a student standing first in M.A. (Semester System).
		Savitri Devi Gold Medal To be awarded to the topper in Women's Studies post-graduation course
19.	Sanskrit	S.J. Jindal Trust Gold Medals: for standing first in Prajna, Visharad, Shastri and Acharya.
		S.J. Jindal Trust Silver Medals: for standing second in Prajna, Visharad, Shastri and Acharya.
		Smt. Raj Suri Gold Medal: for passing M.A. and obtaining highest marks amongst the students who have studied Group (A) Veda (Paper III) Vedic Samhitas (Paper IV) Brahmina & Vedanga in M.A. final year.
20.	UICET	Arun Modi Gold Medal: for standing first in the Final Chemical Engineering Examination.
		Prof. I.S. Gupta Gold Medal: for Chem. Engg. & Tech. student for securing highest marks in Technology paper III of both V & VI semesters (All combined) of B.Chem. Engg. Examination.
		Om Gupta Gold Medal: for standing first in B.E. (Chemical Engg.) final examination.

21.	UIPS	Punshi Narain Devi Vidyawati Charitable Trust Gold Medal: to a student who obtains the highest marks in Industrial Pharmacy paper of B.Pharmacy examination.
		Mrs. Gian Harkishan Singh Pharmacy Medal to a girl student securing the top marks/grades, the aggregate of all the University examinations passed in first attempt during her studies leading to B.Pharmacy degree of the University.
		(Late) Dr. Bhagwan Dass Miglani Gold Medal To be awarded to the topper of M.Pharm. in Pharmaceutics course every year during the Panjab University Convocation
22.	Dr. Harvansh Singh Judge Institute of Dental College	Dr. Harvansh Singh Judge Institute of Dental Sciences and Hospital Award of Medals: To be awarded to three final year students on graduation who could not get the Gold Medal with the following conditions: a) Performance and behavior is certified to be satisfactory by the principal of the institute. b) Candidate is among the top 10% in the final year results. c) Candidate must have minimum 90% attendance in each of the four year of BDS course d) Candidate must have passed all the examinations during the 4 years of the BDS course in Dentistry in first attempts. Dr. Rahul Sharma Gold Medal To be awarded to a student secures first position in oral surgery in the final year examination in Harvansh Singh Judge Institute of Dental Services and Hospital
23.	Botany	K.K. Nanda Gold Medal: for Ph.D. Research in Plant Sciences.
24.	General Gold Medals	Smt. Pritam Devi Rampal Memorial Silver Medal: to a girl student standing first in the final B.Sc. (Home Science).
		Sherie Doonga Ji Silver Medals: for standing 1st in M.Sc. (Home Science) combined results of all the disciplines & B.Sc. (Home Science) examination.
		Swami Nirvikaranand Sarswati Gold Medal: to the student who tops the list of candidates in all M.A. Examinations together.
		Gadgil Gold Medal: for obtaining top position in M.A. amongst the Social Sciences (History, Pol.Sc., Economics, Public Administration and Sociology).
		Mohinder Pal Aggarwal Silver Medal: to the poorest candidate amongst the three top position holders in final B.Sc. Examination.
		H.M.T. (Bangalore) Gold Medal: for standing first in Bachelor of Mechanical Engineering Examination.
		H.M.T. (Bangalore) Gold Medal: for standing 1st in Bachelor of Production Engg. examination.
		Dr. Devinder Sarup Singh Memorial Gold Medal: to the student standing 1st in the M.B.B.S. Examination.
		Dr. Surinder Vadhera Memorial Gold Medal: for standing 1st in M.B.B.S. examination.
		Ms. Sudarshan Pal Sidhu Gold Medal: for standing 1st amongst the women candidates for M.Ed. examination.
		Prem Chand Silver Medal: to the best short story writer in Hindi amongst the students of the University Teaching Departments and the affiliated colleges.
		Dr. Prem Nath Chhuttani Gold Medal: to the student who tops in the subject of Medicine in the M.B.B.S. Final Examination of the University.
		Dr. Vidya Prakash Verma Silver Medal: to the best Dental Faculty Student in Surgery.
		Mohinder Pal Aggarwal Gold Medal: to the poorest candidate amongst the three top position holders of final M.B.B.S. Examination.
		Smt. Pritam Devi Rampal Memorial Silver Medal: to a girl student standing first in the final B.Sc. (Home Science).

25.	Prem Chand Short Story Medal	1. A Silver Medal: (out of the interest of Rs.1,100) shall be awarded to best short story writer in Hindi every year.
		2. It shall be named as Prem Chand Kahani Puraskar.
		3. All students who are on the rolls of Teaching Departments of the University and on the rolls of colleges affiliated to the University shall be eligible for contesting the Medal.
		4. Entries shall be submitted in a sealed cover in the manner prescribed below by registered post to the Registrar, Panjab University, Chandigarh by name not before the 14th but not later than the 30th day of August each year. On the outer cover the candidate shall simply write "Prem Chand Medal" and inside it, there shall be two sealed envelopes one marked "Prem Chand Short Story Entry" having in it the story with only the candidate's pseudonym, but no means of identification such as his name, address; University Department/College, Roll No. or the like; the other marked 'Candidate's Identity' having in it his name, Father's name, address, University Department/ College, University Roll No. and the pseudonym adopted by him; in this cover he shall also enclose a certificate from the Head of the Department/College certifying the short story to be the candidate's unaided work.
		5. All contestants shall certify in writing that the short story is written by him/her and it shall be countersigned by the Head of the University Department or by the Principal of the College concerned.
		6. The Head of the Hindi Department shall suggest panel of five names out of which the Vice-Chancellor shall select two to act as judges for evaluating the best short-story for the year.
		7. The decision of the judges shall be final.
		8. The medal shall be awarded at the annual Convocation of the University.
		9. The copyright of the story accepted for Medal shall rest with the University, which may publish it.
		10. No one shall be eligible for the award of the medal for more than once.
26.	Gold Medal for Dr. Hazari	1. In order to promote literature for the Emotional Integration of the country an essay contest in the medium of English, Hindi and Punjabi shall be held annually. The contest shall be open to all bona-fide students of the University, reading in Degree and Post-graduate classes in the University Teaching Departments and colleges affiliated to the University.
		2. A gold medal shall be awarded for the essay adjudged best and shall be presented at the University Convocation.
		3. An essay not exceeding 6000 words neatly typed or handwritten shall be submitted in duplicate for the contest.
		4. Entries shall be submitted in a sealed cover in the manner prescribed below by registered post to the Registrar, Panjab University, Chandigarh, by name, not before the 14th but not later than the 30th September, each year. On the outer cover the candidate shall simply write "Dr. H.P. Dwivedi Essay Medal" and inside it there shall be two sealed envelopes : one marked 'Dr. H.P. Dwivedi Essay Entry' containing the candidate's essay with the candidate's pseudonym, but no indication such as his name, address, University Roll Number or the like; and the other marked 'Candidate's Identity' containing his name, Father's name, address, University Department/College, University Roll Number and the pseudonym adopted by him. In this cover he shall also enclose a certificate from the Head of the Department/ College to the effect that the essay is the candidate's original work.
		5. The University shall appoint a Committee of 3 Judges to assess the essay in English, Hindi and Punjabi, whose judgement shall be final.
		6. Should the Judge consider it necessary, that may, at their discretion, ask the competitors to appear for a Viva Voce or Written test before giving their final award.

		7. As essay submitted for the contest shall become the property of the University and may be published by the University.
		8. No one shall be eligible for award of the essay medal more than once.
27.	General Gold Medals	Dr. Prabha Chaudhary Memorial Gold Medal: To be awarded to a student for standing first in the subject of obstetrics & Gynaecology in the final Professional MBBS Part II Examination.
		Late Smt. Ram Prakash Gupta Memorial Gold Medal: To be awarded who (i) Has obtained at least first division in M.A. I & II as a whole. (ii) Stood first in M.A. I as a whole. (iii) Passed all the papers of both M.A. I & II in the first attempt.
		Late Smt. Khajani Devi Gold Medal: To be given every year to the student who secure maximum marks in the subject of Anatomy in first Professional MBBS exam. in the first attempt.
		Institute of Chartered Accountants of India Gold Medal: To be awarded to a student securing first rank in B.Com. (Hons.) examination or B.Com. (Pass) examination.
		Late Sh. M.L. Tondon Gold Medal: To be awarded to the topper of the M.Com. (Hons.) programme every year.
		President of India Dr. Shankar Dayal Sharma Gold Medal: To be awarded to a student adjudged best of general proficiency including character, conduct & excellence in academic performance extra curricular activities & social services.
		Hari Ram Arora and Bhajan Kaur Arora Medals: To be awarded for Best Paper Awards in the Science Subjects for young researchers (Students, Post-docs, Faculty).
28.	Geology	Prof. B.K. Das Memorial Gold Medal To be awarded to a student securing highest marks in M.Sc. (Final) of Geology deptt.

- Scheme of Post Matric Scholarship for OBC Students by the Govt of India/State Govt/U.T. Admn. Studies in India.
Those candidates belonging to OBCs so specified in relation to the State/Union Territory to which the applicant actually belongs, i.e. is permanently settled, who have passed the Matriculation or higher secondary or any higher examination of a recognized university or Board of Secondary Education and who belong to a family having income not exceeding Rs. 1 lac per annum are eligible.
- (i) Scheme of Post Matric Scholarship for student belonging to Minority Communities for Studies in India.
Scholarship will be awarded to the students who have secured not less than 50% marks or equivalent grade. In the previous final examination and the annual income of whose parents/guardian from all sources does not exceed Rs. 2.50 lakh.
(ii) Only Scheme of Merit cum Means based Scholarship for students belonging to Minority Community i.e. www.momascholarship.gov.in.
- Financial Assistance to students for SC/ST categories under the budget head improvement of education, Sub head for providing Subsidy/Grant/Assistance i.e. Rs. 10 lac. The income criteria for grant of Financial Assistance to SC/ST student of the teaching departments is Rs. 3.00 lac. (Income limit Rs. 3.00 lac) & other formalities like Post-Matric Scholarship.
(Syndicate Para XXIV (1-19) dt. 15/12/18/08-07-2018)
- The following scholarships are to be given to students belonging to Scheduled Caste and special grants to girls belonging to Scheduled Castes.
The girls belonging to the Scheduled caste whose parents income does not exceed Rs. 60,965/- shall be given an extra benefit of Rs. 50/- per month and Rs. 60/- per month at post graduate level.
(i) Post-Matric Scholarship Scheme of the Govt. of Punjab
Those students belonging to the Scheduled Castes whose parents/guardian are the permanent residents of Punjab State and are studying in any recognised college in any part of India are entitled for scholarship, provided that the yearly income of their parents/guardian from all sources should not exceed Rs. 3,00,000/- & tuition fee & other non-refundable charges be not taken from the SC/ST students belonging to Punjab State at the time of admission for various courses other than self financing courses of the Panjab University and its Regional Centres from the Session 2009-2010.

(ii) Post-Matric Scholarship Scheme of the Govt. of India

Only those candidates who belong to Schedules Castes so specified in relation to the State/Union Territory to which the applicant actually belongs i.e. permanently settled and who have passed the Matriculation or Higher Secondary or any examination of a recognized University or Board of Secondary Education will be eligible.

For details–Visit www.dpipunjab.org / www.chd.education.gov.in

(iii) Freeships under State S.C. Welfare Scheme

The Govt. Colleges should not charge fee from students belonging to Scheduled Castes whereas the Private Colleges, Institutions should claim the remaining amount from the Govt. after leaving 2% of total students and this condition of 2% does not apply in case of Technical Colleges.

(iv) Scholarships to students belonging to Scheduled Tribes

Scholarships are granted to children to permanent resident of Scheduled Tribes (formerly Criminal Tribes) in the State of Punjab who are studying at the college level, provided that the annual income of the parents/guardian of such students should not exceed Rs. 5000 or land revenue should not be more than Rs. 1000 p.a.

5. **A New Corpus ‘Merit-cum-Means Loan Subsidy Scheme’.**

Grant of ‘Merit–cum-Means Loan Subsidy Scheme’ in self financing courses.

The Syndicate at its meeting held on 30-1-2010 vide Paragraph 27 had approved :-

“that a sum of Rs. one crore be sanctioned out of the interest earned on the fund ‘Foundation for Higher Education & Research Account’ to constitute a new corpus ‘Merit–cum-Means Loan Subsidy Scheme’ in self financing courses for providing soft loan to the financially weaker and meritorious students w.e.f. November 2010”.

Accordingly, the benefit is to be extended to the students who fulfill the following conditions:-

INSTITUTION OF A CORPUS FOR MERITORIOUS AND NEEDY STUDENTS IN THE SELF FINANCING COURSES:

The education loan subsidy may be given on the basis of merit-cum-mean basis out of the interest earned on the Corpus of Rs. one crore to the students **who have taken education loan from any nationalized bank** for undertaking Graduate/Post-Graduate self financing courses in the University as per following guidelines :-

1. The amount of education loan subsidy shall be Rs. 25,000/- per annum per student for once during the course. **The maximum number of students shall be 50 in a year.** This amount has been recommended on the basis of present return on the Corpus. It shall be reviewed on yearly basis.
2. The income limit to be eligible to qualify for receiving education loan subsidy under this scheme shall be Rs. 1.5 lacs family income per annum. In case of less number of candidates, the income limit may be increased to Rs. 4.80 lacs.
3. The education loan subsidy shall be disbursed at the end of the academic year after the declaration of result to those students who secured 60% marks.
4. This subsidy shall be disbursed on the basis of a certificate from the nationalized bank from where the student has taken education loan. The subsidy would be towards the principle amount of the loan and the amount of subsidy shall be paid to the bank directly.
5. The students claiming subsidy under this scheme should not have taken any other scholarship or assistance from another agency for that course. In this regard an undertaking shall be obtained from the student.

The students who fulfill the conditions and desirous to avail the said loan subsidy may apply for the purpose on the prescribed Proforma. The said application should reach in the office of the Assistant Registrar Account-II, Panjab University, Chandigarh latest by 15th Sept. 2016. Incomplete applications will not be entertained/ the applications received after the due date will be rejected.

**CENTRAL PLACEMENT CELL, PANJAB UNIVERSITY, CHANDIGARH
APPLICATION FORM FOR SCHOLARSHIP - SARBAT DA BHALA CHARITABLE TRUST**

Please tick the category applied for:

1. Economically weaker section
2. Differently abled Student
3. Students/families affected by natural disaster
4. A student who has lost his/her father

Affix recent
passport size
photo attested
by
Chairperson/
Director

1. Name of the applicant _____
2. Department _____ Class _____ PUPIN NO. _____
3. Mobile No. _____ E-mail id _____
4. Father's name with address _____

5. Total Family annual income from all sources _____
(Authentic proof to be attached: Income certificate from Employer / Revenue Authorities and Affidavit)
6. Educational Qualifications: University Annual / 1st/2nd Semester: _____
Examination (Last qualified): Year of Passing _____ Roll No. _____
Marks Obtained _____ Max. Marks: _____ %age of Marks: _____
7. Details of the family members:

	Number	Age	Selfsupporting	Education
Brothers				
Sisters				
Other Dependents				

8. Scholarships/Stipends/Financial Assistance/Fee Concession (if any) being availed (Yes/No) _____
Details _____

CERTIFICATE

(to be signed by the student)

I hereby solemnly declare that the particulars given by me in the application are corrected to the best of my knowledge and belief. I further declare that I will intimate the Department/University, If I am granted any Scholarship/Stipend and Fee Concession after the submission of this application.

Signature of the applicant with date

CERTIFICATE

(To be signed by the Chairman/Director of the deptt.)

Certificate that the particulars filled in by the student have been verified from the admission form of the student and other record of the Department and found correct.

Signature of the Deptt. Official

Recommendation of the Chairman/Director of the Department.

Signature of the Chairman/Director of the Deptt. with official stamp

Attendance Rules

As directed by the Vice Chancellor, the norms for attendance to be implemented are as follows:-

1. For all Departments/Centres/Institutes other than mentioned below, the attendance requirement would be 75% aggregate in all papers. The condonation of 10% lectures by Board of Control, up to 10 lectures by the Vice Chancellor and the lectures due to extreme hardship by the Syndicate, as per rules, would be applicable to the students.
2. The attendance Rules for the following Departments/Centres/Institutes are as under:-

Sr. No.	Name of the Department / Centre / Institute	Attendance requirements based on respective Regulatory Bodies duly approved by Board of Control
1.	Dr. H.S. Judge Institute of Dental Sciences and Hospital	<p>As per the Dental Council of India (DCI) revised BDS course Regulations, 2007, page Nos. 3 & 4 the minimum attendance requirement is as under:-</p> <p>(i) 75% in theory and 75% in practical / clinical in each year.</p> <p>(ii) In case of a subject in which there is no examination at the end of the academic year/semester, the percentage of attendance shall not be less than 70%. However, at the appearing for the professional examination in the subject, the aggregate percentage of attendance in the subject should satisfy condition (i) above.</p>
2.	Dr. S.S. Bhatnagar University Institute of Chemical Engineering and Technology	<p>The Board of Control in its meeting held on 13.07.2017 has decided that this Institute will count the 75% attendance paper-wise as per rules given in Handbook of Information-2018 to debar the students from appearing in the periodicals/sessionals as well as in semester examinations.</p>
3.	Education	<p>The Department of Education is governed by regulatory agency NCTE. As per NCTE guidelines page No. 120, clause No. 3.2 "The minimum attendance of students shall be 80% for Theory Courses and Practicum, and 90% for Field Attachment".</p> <p>Therefore, attendance is to be counted in aggregate i.e. 80% for Theory courses and Practicum, and 90% for Field Attachment.</p>
4.	Institute of Educational Technology and Vocational Education	<p>The Institute of Educational Technology and Vocational Education is governed by regulatory agency NCTE. As per NCTE guidelines page No. 120, clause No. 3.2 "The minimum attendance of students shall be 80% for Theory Courses and Practicum, and 90% for Field Attachment".</p> <p>Therefore, attendance is to be counted in aggregate i.e. 80% for Theory courses and Practicum, and 90% for Field Attachment.</p>
5.	Laws	<p>In this regard, it is recommended that for LL.B. course, the requirements of attendance of Bar Council of India mentioned in Part IV - Rules of Legal Education (photocopy enclosed) may be followed i.e. 65% subject wise and 70% in aggregate and in case of LL.M. course, requirements mentioned in LL.M. (one year course) Rules duly approved by the Syndicate (photocopy enclosed) may be followed i.e. 75 percent of the total lectures delivered and 66 percent in each of the subjects.</p>

6.	University Business School	The Board of Control in University Business School decided that in UBS, attendance would be counted paper-wise as per existing latest regulations given in Handbook of Information-2018.
7.	University Institute of Engineering and Technology	<p>That shortage of attendance for the students of U.I.E.T. is determined subject-wise according to requirement of regulatory body. There shall be at least ten (lectures + tutorials) practicals / drawing classes during the semesters for every hour per week of a subject shown in the schedule of teaching. A student shall be eligible to appear in the examination only if he/she attended at least 75% of the total classes held in each subject during the semester.</p> <p>If he/she is short of attendance in any subject, he/she has to attend classes subsequently in that subject and can appear for examination only when 75% attendance requirement is met.</p>
8.	University Institute of Hotel Management and Tourism	<p>This is to inform you that:-</p> <p>(i) There is no such Regulatory body attendance criteria for the UIHTM students.</p> <p>(ii) As per regulations of the UIHTM, 75% attendance in the lectures, seminars, case discussions, practical, syndicate sessions, field work, project work, etc., in each paper, is compulsory. Deficiency in the lectures will be condoned, as per Panjab University Rules.</p> <p>(iii) The Board of Control of UIHTM in its meeting held on 12.07.2017 suggested that the criteria of 75% attendance should be on aggregate basis instead of each paper basis.</p>
9.	University Institute of Legal Studies	The members of the joint meeting of the Academic and Administrative Committees, held on 12.07.2017, noted that UILS is governed by the Bar Council of India Rules of Legal Education and as per the BCI Rules the minimum attendance of the students will be over all 70% and 65% per subject which shall include participation / representation of the students in Moot Court Competition, practical training and other educational co-curricular activities, recommended by the concerned committee Coordinator / members and approved by the Director.
10.	University Institute of Pharmaceutical Sciences	<p>Rules & Regulations for the Masters of Pharmacy (M. Pharm.) Course framed by Pharmacy Council of India, New Delhi under Regulation, 2014.</p> <p>Attendance and progress</p> <p>A candidate is required to put in at least 80% attendance in individual courses considering theory and practical separately. The candidate shall complete the prescribed course satisfactorily to be eligible to appear for the respective examinations.</p>

The Rules for condonation of shortage of attendance, as per Handbook of Information-2018 will be applicable to the students of all the above Departments/Centres/Institutes, to the best of advantage to each student, i.e., the total lectures available for condonation under various categories (A) to (D) of Handbook of Information-2018 will be awarded to the individual paper/papers, wherever needed.

Rules for Condonation of Shortage of Lectures

The Departments are to follow the process listed below to ensure that the rules framed for attendance are implemented in letter and spirit:

- i) Cases of those students who have not attended at least 33% lectures/tutorials/practicals etc. shall not be considered for condonation of shortage of lectures at all. This shall not be applicable to the candidates falling under '(C) (b) i)'
- ii) Attendance is to be counted from the date of admission in case of the student of first semester/year and for the ongoing classes attendance is to be counted from the date of start of teaching notified by the Dean of University Instruction.
- iii) Every department has to calculate shortage of attendance at 75% of total lectures/ tutorials/practicals etc. delivered/held every month as per the regulations of the course.
- iv) Teachers to submit cumulative attendance, with shortage at 75%, latest by 5th of every month (starting with the attendance upto 31st August to be submitted by 5th September) to the Chairperson.
- v) The Department to upload the same on the online Notice Board of the Department latest by 15th of every month and send a copy of the same to the office of the DUI for information.
- vi) All cases of shortage of attendance, complete in all respect, must reach the office of the DUI, at least one week before the commencement of end-semester examination.
- vii) Chairperson to certify the following:
 - a. Rules related to attendance have been displayed on the Notice Board of the Department and also put on the online Notice Board.
 - b. The information about attendance has been regularly uploaded on online Notice Board of the Department every month with intimation to the office of the DUI.

For calculating total semester-end shortage of attendance, Chairperson has the power to condone only a fixed percentage (or fixed number) of lectures/tutorials /practicals etc. delivered/held as per the regulations of the respective course. This power of condonation of shortage of attendance, as enshrined in the regulations of each course, has to be exercised judiciously for medical reasons, and for participating in cultural/sports/other activities for which detailed procedure has been outlined at '(C) (a) & (C) (b)'' or for any other exigency which the student might have faced. Further, the students covered under '(C) (b)'' can be given a further credit of an equal number of lectures delivered and tutorials, practical classes etc. held during the period he was away to participate in such an activity subject to the stipulated requirements and the limit of credit under this clause.

In addition, as per the decision of the Senate (12.10.2003, Para XXIII), the Vice Chancellor, on the recommendation of the Board of Control and for the reasons to be recorded, can condone shortage of lectures upto another 10 lectures delivered in various paper (s) to the best advantage of the candidate.

Further, the Syndicate has the power to condone lectures in various paper(s), for the reasons to be recorded, in cases of extreme hardship as outlined at '(D)'.

Further, Departments are to ensure compliance with the requirements of Regulatory Agencies, viz., AICTE/BCI/ DCI/MCI / NCTE/PCI etc.

(A) First ten working days from start of teaching

Ensure that first semester students are monitored for attendance in the first ten working days of start of teaching.

Admission of all such students who fail to attend at least 33% of the total lectures/tutorials/practicals etc. delivered/held in all the papers during the first ten working days from the start of teaching work shall be cancelled by the Board of Control/Joint Admission Cell after following the procedure given below:

- i) By the 12th day after the start of classes for a particular course, the names of those students who fail to attend at least 33% of the total lectures / tutorials / practicals etc. shall be put up on the Notice Board and online Notice Board of the Department and also send a copy of the same to the office of the DUI. Within 4 days of the date of such notice, a student who is short of attendance may give in writing the reasons for his absence from the classes.
- ii) If a student does not submit an application in writing within the prescribed time as stated above, or the reasons adduced by the student in his application are not found to be sufficient and justified in the opinion of the Board of Control/Joint Admission Cell, his admission shall be cancelled.
- iii) All the seats thus falling vacant shall be filled strictly in the order of merit from the waiting list or through subsequent counselling before the expiry of the last date fixed for admissions by the University.

- iv) When the admission of the student(s) is cancelled as stated above, the Department shall display on the Notice Board and online Notice Board, the list of the person(s) next in the waiting list and make admissions accordingly.
- v) Approval of cancellation of admission and permission to fill up the cancelled seat(s) to be sought from the DUI.

Note: *It is obligatory on the part of students to keep in touch with the Department concerned for the possibility of the seats to fall vacant.*

(B) Monitoring of continuous absence from classes

Every student shall attend his classes on all working days unless he is granted leave of absence by the Head of the Department. If a student remains absent from his classes for a continuous period of seven days without leave, his name shall be struck off the rolls. Provided that he may be allowed re-admission in accordance with the Rules (*PU Calendar Volume I, 2007*, Chapter VII (C), p. 151.). Striking the name off the rolls and re-admission must be got approved from the DUI.

(C) Condonation of shortage of attendance

- ii) It is a mandatory requirement of UGC that a student must have minimum attendance of 75% of the total number of lectures/tutorials/practicals etc in each paper or as per the specific requirements of the regulatory bodies.
- ii) Regulations of each course permit condonation of fixed percentage (or fixed number) of lectures by the Chairperson on medical grounds, for participation in cultural/sports/ other activities, and for any other exigency which the student might have faced.
- iii) Departments to process and recommend the cases for condonation of shortage of attendance of only those students who have attended minimum 33% lectures/ tutorials/practicals etc.

The power of the Chairperson to condone a fixed percentage (or a fixed number) of lectures/tutorials/practicals etc. as enshrined in the specific regulations of each course includes condonation for medical reasons, and for participation in cultural/sports/ other activities for which procedure and limit has been outlined at '**(C)** (a) & '**(C)** (b)' or any other exigency [except condonation of attendance of extreme hardship cases listed at '**(D)**'] for which the procedure has been outlined below. The cases of extreme hardship on medical grounds will also follow the below-mentioned procedure:

(a) Medical Reasons:

- i) A student availing any benefit shall submit the relevant Medical Certificate/ document/evidence in support of his/her claim within 5 working days of joining the Department in person and the Chairperson shall verify the signature of the student who submitted the certificate.
- ii) The Department will forward Medical Certificate for verification to Chief Medical Officer, Bhai Ghanaiya Ji Institute of Health, within 3 working days. However, the Medical Certificate should be countersigned by the candidate in presence of the Chairperson of the Department.
- iii) The Chief Medical Officer will not entertain any request made directly by the student in this regard. Every request has to be sent through the Department.
- iv) The Chief Medical Officer will verify the authenticity of the Medical Certificate and send it back to the department with clear-cut observations regarding acceptance or rejection of the Medical Certificate within 5 working days.
- v) The Chairperson shall certify that the candidate neither attended any class nor participated in any cultural/ extracurricular/other activities of the Department/ University during the period for which Medical Certificate has been submitted by the student.
- vi) For late submission of Medical Certificate, a fine of Rs. 100/- per day (with a maximum ceiling of Rs. 2000/-) will be imposed on the student. The student shall be required to attach the receipt of payment of fine along with the Medical Certificate in the concerned department failing which his/her case for seeking condonation of attendance on medical grounds will not be processed.
- vii) In case the Medical Certificate/ document/evidence submitted by the student is found to be forged or fake, the student shall be liable to pay a fine of Rs. 15000/- (**in code M0100**) and shall be debarred from appearing in the current semester examination (in case a student has already appeared in the current semester examination, the result of the same shall stand cancelled) and the student shall not be allowed admission in the next semester also. The student can seek readmission in the same semester, in which he/she submitted fake/ forged certificate, next year.

In case of annual system of examination, apart from a fine of Rs.15000/, the student shall be debarred from appearing in the year-end examination (in case the student has already appeared in the year-end examination,

the result of the same shall stand cancelled) **and** the student shall not be allowed admission in the next year also. The student can seek readmission in the same year, in which he/she submitted fake/forged certificate, after a gap of full one academic session

Note: *The time period mentioned above under i), ii), and iv) shall have an overriding constraint of completing whole of the process of making the Medical Certificate available with the Department, forwarding to and verification of the same by the Chief Medical Officer before the final case is sent by the Department to the office of the DUI.*

(b) Cultural/Sports/Other Activities:

- i) A student who participates in Inter-University or University or Inter-Collegiate Tournaments or Youth Festivals or National and International Tournaments or similar other activities or NCC, or University educational excursions or N.S.S. or in any activity where a student has been deputed by the University (not by the department) be allowed credit for an equal number of lectures delivered and tutorial, practical classes etc. held during the period he was away to participate in such an activity.
- ii) For cultural activities of the University or Intra-Department activity conducted by the Department or educational excursions conducted by the Departments/Dean of Student Welfare or any other activity including placements, alumni relations, condonation of attendance will be made by the Board of Control of the concerned Department and in such cases condonation for attendance/ participation in such activities shall not exceed 10% of the total lectures delivered in that semester provided the student participates in such activities with prior permission of the Head/Chairman/ Principal concerned.
- iii) Such cases which are to be sent to the office of the DUI, must bear the Department's number and date on which the request of student was forwarded to the office of DSW for participation in such activities.
- iv) The candidates who have donated blood be given benefit of 3 days lectures (Syndicate meeting dated 14-10-2018)

(D) Condonation of shortage of attendance of extreme hardship cases, on the production of documentary evidence, in a semester:

- i) In case of death of sister, brother, spouse, child, or either parent, number of lectures delivered during the period of absence of the student (maximum up to 10 working days from the date of death) will be condoned. However, in case of death of grandparents number of lectures delivered during the period of absence of the student; maximum upto 5 working days from the date of death will be condoned.
- ii) In case of inability to attend classes due to natural calamities/riots/law and order problem, number of lectures delivered during the period of absence of the student (maximum up to 5 working days) will be condoned.
- iii) In case of incapacitation caused due to illness/accident of self or family members (parents, sister, brother, spouse or child), number of lectures delivered during the period of absence of the student (maximum up to 5 working days) will be condoned.
- iv) In case of delivery of a child, number of lectures delivered during the period of her absence (maximum up to 30 days) will be condoned.
- v) In case of miscarriage or Medical Termination of Pregnancy (MTP), number of lectures delivered during the period of her absence (maximum up to 15 days) will be condoned.

(Syndicate Para 22 dated 25.02.2017)

ANNEXURE-I**UNDERTAKING FOR ACHIEVEMENTS IN SPORTS**

I, _____ (name), son/daughter of Shri _____ (father's name), born on _____ of _____ (address) hereby solemnly declare and affirm as under:-

1. That as Sportsman/Sportswoman in _____ (name of discipline), I have represented the team(s) in the competition(s) on date(s) and also of named position(s) as indicated in the table below :-

Sr. No.	Sports Disciplines	Team represented	Name of the competition & year	Venue/Date	Position secured
1.					
2.					
3.					

2. That the certificate(s) mentioned below are produced by me in support of the above are authentic :

- (i)
(ii)
(iii)

3. I understand that in case the information/documents supplied by me are found to be false, incorrect or forged, my admission will stand cancelled and I shall be liable for criminal action.

(Signature of the applicant)

ANNEXURE-II**UNDERTAKING FOR ATTENDANCE IN SPORTS GROUND**

I, _____ son/daughter of _____ resident of _____ do hereby declare as under :-

- (i) That I am seeking admission to the Department of _____ under the Sports Category.
- (ii) That in case I am admitted to the above said department I shall regularly attend the grounds for practice and I shall also participate in P.U. Campus Sports Activities including P.U. Campus Annual Athletic Meet/Inter-College/Inter-University/National/International Sports Tournament on behalf of the P.U. Campus and the Panjab University if selected.
- (iii) That in case I fail to regularly attend the Grounds for practice or fail to participate in the tournaments as and when required, my admission to the Department of _____ shall be liable to be cancelled.
- (iv) That in case my admission to the Deptt. of _____ is cancelled due to my failure to regularly attend the grounds for practice or to participate in the P.U. Campus Sports Activities (including Annual Athletic Meet) / Inter-University / National / International Sports Tournaments as may be required by the Campus Sports Department, Panjab University, Chandigarh. I shall have no claim on any account whatsoever against the Department or against the University.

(Signature of the applicant)

ANNEXURE-III**LIST OF SPORTS DISCIPLINES ELIGIBLE FOR ADMISSION UNDER RESERVED CATEGORY OF SPORTS**

Sports disciplines to be considered for admission under reserved category of sports will be based on the following conditions:-

- 1) The sports disciplines should also be part of proceeding Olympic / Asian Games / Commonwealth Games immediately preceding the year of admission.
- 2) Apart from the above the following four sports disciplines are included based on popularity / indignity.
 - a) Chess
 - b) Cricket
 - c) Kho-kho
 - d) Yoga

ANNEXURE-IV**CRITERIA FOR GENERAL FITNESS TEST, SKILL & GAME PERFORMANCE TEST FOR ADMISSION UNDER RESERVED CATEGORY OF SPORTS**

General Fitness Test		
It is essential for the candidates to qualify any one of the following General Fitness Test items for considerations of admission in Archery, Chess, Shooting and any two of the following fitness test items for consideration of admission in other games / sports as per the following standards.		
1.	Strength	Standing broad jump 1.65 mts. For Men 1.15 mts. For Women
		Two attempts allowed
2.	Endurance	1000 mts. Run/Walk 5.00 minutes for Men 6.00 minutes for Women
		One attempt allowed
3.	Speed	50 mts. Dash 8.00 seconds for Men 9.00 seconds for Women
		One attempt allowed

Note: It is essential to qualify the General Fitness Test for appearing in the Skill & Game Performance test.

1. No Physical Fitness Test for specially challenged candidates / players.
2. All the candidates are to appear in the General Fitness Test in proper sports kit.
3. Any injury / casually caused to the applicant during sports trials shall be the sole responsibility of the applicant.

Skill and Game Performance Test	
It is essential for the candidate to qualify the Skill and Game Performance Test for consideration of admission.	
1.	Fundamental Skills in the concerned game
2.	Game Performance in Trials.

Note: It is essential to qualify the Skill & Game Performance Test for Verification of Original Sports Certificates for awarding Marks.

Merit / Participation Sports Certificates	
Maximum 100 Marks for Merit / Participation Sports Certificates	
Maximum 100 Marks for Merit / Participation Sports Certificate as per the criteria in Annexure-V. Only the Highest Merit / Participation Sports Certificate will be considered for Marking.	

ANNEXURE-V

CRITERIA FOR MARKING OF MERIT / PARTICIPATION SPORTS CERTIFICATE OUT OF MAXIMUM 100 MARKS

Note: - Tournaments/Championships other than Inter University/Inter College/Inter School will be considered for Gradation provided they are recognized by International Olympic Committee/ Indian Olympic Association/respective National Federation / State Association / BCCI / SGFI / MYAS*

Level of Game/ Sport Competition(s)	Ist	IInd	IIIrd	Participation
CATEGORY 'A'				
1. Sports performance as a player in Olympic Games/Paralympic Games (under senior / open category).	100	97	95	91
2. Sports performance as a player in World Cups/ Championship (Four Year Cycle) under senior / open category.	97	95	93	89
3. Sports performance as a player in Asian Games (under senior / open category)	95	93	91	87
4. Sports performance as a player in Asia Cup/Asian Championship (Four Year Cycle) under senior / open category	93	91	89	85
5. Sports performance as a player in Common wealth Games (under senior / open category).	91	89	87	83
6. Sports performance as a player in Common wealth Championships (Four Year Cycle) (under senior / open category).	89	87	85	81
7. Sports performance as a player in World cups/World Championships (Two Years Cycle) under senior/open category	87	85	83	79
8. Sports performance as a player in Asia Cup / Asian Champion-ship (Two Years Cycle) under senior / open category.	85	83	81	77
9. Sports performance in Common wealth Championships (Two Years Cycle) under senior / open category.	83	81	79	75
10. Sports performance as a player in World University games / World University championships (Two year Cycle)	81	79	77	73
11. Sports performance as a player in World Cup / Championship (one year cycle) under senior / open category.	79	77	75	71
12. Sports performance as a player in Asia Cup / Asian Championship (One Year Cycle) under senior / open category /Sports performance as a player in Common Wealth Championships (One Year Cycle) under senior / open category / Sports performance as a player in South Asian Games (under senior/open category), Asian University Games and Championships.	77	75	73	69
Note: Marks for World Cup/Championships, Asian Cup/Championships/ Common wealth Championships under Junior/Youth/ Cadet categories will be awarded $\frac{3}{4}$ of marks awarded to the respective senior categories of same tournament/championship / category e.g. for Junior World Cup / Championship for 1st $87 \times \frac{3}{4} = 65.25$, f or IInd $85 \times \frac{3}{4} = 63.75$, for IIIrd $83 \times \frac{3}{4} = 62.25$ and so on.				

CATEGORY 'B'					
1.	Sports performance as a player in National Games (under senior/ open category)	50	48	46	42
2.	Sports performance as a player in National University Games / Inter Zonal Universities Games for Universities (under senior / open category) / Sports performance as a player in senior National / Inter State Championships for seniors / Federation Cup for seniors / khelo India school games / Khelo India University Games (under 21) // Sports performance as a player in Khelo India School Games / SGFI National School Games. Sports performance as a player in Junior National / Cadet Nationals / Youth Nationals	48	46	44	40
3.	Sports performance as a player in Zonal University Championships / National Zonal Championships (under senior and open category)	46	44	42	38
CATEGORY 'C'					
1.	Sports performance as a player in A division Inter College tournaments other than professional Universities/ Deemed Universities/ Agricultural Universities / Law Universities / Technical and Management Universities /Senior State Championship / Inter District Championships / State School Games / Junior / Cadet / Youth State Championship. Position as a player in Inter University Tournament / Competitions for professional Universities / Deemed Universities / Agricultural Universities /Law Universities/Technical and Management Universities, School Nationals other than SGFI	36	34	32	28
CATEGORY 'D'					
1.	Sports performance as a player in inter college of professional universities / residential universities / PU Campus Championships/ B and C division Inter college.	26	24	22	Not Eligible
<p>Note: The certificates not mentioning the level of tournament i.e. Senior / Junior / Youth / Schools will be considered as per the following age criteria:</p> <ol style="list-style-type: none"> 1. Under 17..... Junior 2. Under 19.....Youth 3. Above 19.....Senior <p>* BCCI: Board of Control for Cricket in India * SGFI: School Games Federation of India * MYAS: Ministry of Youth Affairs & Sports</p>					

Note:

1. Sports Certificate of Invitational / Memorial /Open/ Prize Money League/ Ranking competitions will not be considered for admission under reserved category of sports.
2. Merit / Participation Sports Certificates of preceding three years will be considered from 01st July 2016 to 30th June 2019.
3. Applicants are required to upload Self-Attested copies of two Merit / Participation Sports Certificates.
4. Only the Highest Merit / Participation Sports Certificates will be considered for Marking.

SPECIMEN OF CERTIFICATES**A. SCHEDULED CASTE/ SCHEDULED TRIBE CERTIFICATE**

The Caste/Tribe Certificate should necessarily contain the following information about:

- (a) Name of the person;
- (b) Father's name;
- (c) Permanent place of residence
- (d) Name of the Caste/ Tribe
- (e) Constitutional order under which the caste/ tribe has been notified
- (f) Signature of issuing authority along with the designation, seals and date

Authorities Empowered to issue SC/ST certificate

- 1) District Magistrate/ Additional District Magistrate/ Collector/Deputy Commissioner/ Additional Deputy Commissioner/ Deputy Collector/ 1st Class Stipendiary Magistrate/ Sub-Divisional Magistrate/ Taluka Magistrate/ Executive Magistrate/ Extra Assistant Commissioner.
- 2) Chief Presidency Magistrate/ Additional Chief Presidency Magistrate/ Presidency Magistrate.
- 3) Revenue Officer not below the rank of Tehsildar.
- 4) Sub-Divisional Officer of the area where the candidate and/or his/her family normally resides.
- 5) Administrator/ Secretary to Administrator/ Development Officer (Lakshdweep Islands)

B. CERTIFICATE FOR BACKWARD CLASS

(Persons belonging to OBC/SBC will not be considered under this category)

This is to certify that Shri / Smt / Kumari _____ son / daughter of _____ village _____ District / Division _____ in the State of Punjab belongs to _____ community which is recognised as a backward class under the Government of Punjab, Department of Welfare of SCs and BCs vide notification No. _____ dated _____ Shri / Smt / Kumari _____ and / or his / her family ordinarily resides in the _____ District / Division of the State of Punjab.

This is also to certify that he / she does not belong to the persons / sections (creamy Layer) mentioned in the Column 3 of the Schedule to the Government of Punjab, Department of Welfare and SCs and BCs notification No. 1/41/93-RCI / dated 17.01.1994, as amended vide Notification No. 1/41/93 - RCI/1597 dated 17.08.2005, Notification No. 1/41/93-RCI/209 dated 24.02.2009 and notification No. 1/41/93-RCI/609 dated 24.10.2013.

Date of Issuance

Space for
Photograph

Signature of Issuing Authority

Designation :

Date :

Place :

Note: The term "Ordinarily" used here will have same meaning as in Section 20 of Representative of People Act, 1950

Authorities Empowered to issue Backward Class Certificate	Criteria for Admission under this category
<ol style="list-style-type: none"> 1. Deputy Commissioner 2. Additional Deputy Commissioner 3. Sub-Divisional Magistrate 4. Executive Magistrate 5. Tehsildar 6. Naib Tehsildar 7. Block Officer 8. District Revenue Officer 	<ol style="list-style-type: none"> 1. 5% seats reserved for persons belongs to this category. 2. Candidate must belong to non-creamy layer as defined by the latest rules of Govt. of India. 3. *A BC certificate issued by a competent authority in any format and on any date shall be accepted by PU. 4. Candidate whose certificate is older than one year from the date of issue must submit the self declaration.

Self declaration Proforma to be submitted by the person belonging to backward class category at the time of recruitment/admission

I _____ S/O,D/O _____ Resident of _____ Village/Tehsil/City _____ District _____ hereby declare that I belong to _____ caste and this caste has been declared as backward class by State Government as per letter No. _____ dated _____.

I hereby declare that, I do not come under Colum-3 of the Schedule to the Government of Punjab, Department of Welfare of SCs and BCs notification No. 1/41/93-RC-1/459 dated 17.01.94 as amended vide notification No. 1/41/93-RCI/1597 dated 17.08.2005, notification No. 1/41/93-RCI/209 dated 4.02.2009 and notification No. 1/41/93-RCI /609 dated 24.10.2013.

Place: _____
Date: _____

Declarant

Verification:

I hereby declare that the above submitted information is correct as per my understanding and nothing has been concealed herein. I am well versed with the facts that I would be liable to face any punishment prescribed by law in case my above information is found to be false and the benefits granted to me (the applicant) will be withdrawn.

Declarant

Place: _____
Date: _____

C. CERTIFICATE FOR ADMISSION UNDER DEFENCE CATEGORY

Despatch No. _____ Dated _____

Certified that _____ son /daughter/ spouse of _____ Rank _____ (if applicable) an applicant for admission to _____ course(s) in the department of _____ Panjab University, is :-

1. Son/Daughter/Spouse of such Defence and Central Armed Police Force (CAPF)* personnel who died in action on _____ during _____. (Only those who are wholly dependent on such personnel shall be considered).
2. Son/Daughter/Spouse who is wholly dependent on such Defence and CAPF personnel who were incapacitated/ died on _____ while in service.
3. Defence and CAPF personnel who were incapacitated while in service.
4. Son/daughter/spouse of ex-servicemen who are wholly dependent on them.
5. Son/daughter/spouse of serving Defence personnel and CAPF who are wholly dependent on them.
6. Ex-servicemen.
7. Serving Defence personnel and CAPF personnel.

Name of the Certifying Officer
Designation _____

Signature of authorized Military / Central Armed Police Forces Officer
(with official seal)

* CAPF earlier known as Para-military forces, includes Assam Rifles (AR), Border Security Force (BSF), Central Industrial Security Force (CISF), Central Reserve Police Force (CRPF), Indo Tibetan Border Police (ITBP), National Security Guard (NSG), Sashastra Seema Bal (SSB) etc.

D. CERTIFICATE OF CHILDREN/GRANDCHILDREN OF FREEDOM FIGHTER

Despatch No.: _____

Dated: _____

Certified that Mr./Ms./Mx. _____ (freedom fighter) son/daughter of Shri _____ of Village _____ Post office _____ Tehsil _____ District _____ and Parent / Grand Parent of Mr./Ms./Mx. _____ (Name of the Candidate), a bonafide political sufferer and has been drawing freedom fighter's pension from _____ Treasury or has been awarded Tamar Patra for his / her political sufferings.

Place:

Date:

*Deputy Commissioner
(With Seal of the Court)

- * Certificate from no other than Deputy Commissioner will be accepted.
- ** In case the certificate is found to be false or incorrect, the candidate will be render himself / herself liable for criminal prosecution.

E. CERTIFICATE IN RESPECT OF 1984 RIOT AFFECTED PERSON / DEPENDENT OF TERRORIST AFFECTED FAMILY OF PUNJAB

Despatch No.: _____

Dated: _____

This is to certify that Mr./Ms./Mx. _____ is a Son / Grandson / Daughter / Granddaughter / Husband / Wife / Brothers / Sisters of Shri _____ (Terrorist / Riot affected person) of Village _____ Post office _____ Tehsil _____ District _____ who was (killed/incapacitated in November, 1984 riots) / (killed / incapacitated in terrorist violence in Punjab and Chandigarh)

Place:

Date:

*Deputy Commissioner / District Magistrate
(With Seal of the Court)

- * Certificate from no other than Deputy Commissioner / District Magistrate will be accepted.
- ** In case the certificate is found to be false or incorrect, the candidate will be render himself / herself liable for criminal prosecution.

F. CERTIFICATE FOR ONLY GIRL CHILD/ONE OUT OF TWO GIRL CHILDREN

I / We, _____ (father) and _____ (mother) of
Miss _____ (full address to be given) resident of House No. _____ Street/
Sector _____ Town/City/ Village _____ District/State _____ do hereby solemnly declare and affirm as under :-

1. That I am/we are citizens of India.
2. That Miss _____ born on _____ is our girl child.
3. That we have no male child.
4. That we have the following only two girls and none else :
 - (i) Name _____ (i) Name _____
 - (ii) Date of Birth _____ (ii) Date of Birth _____
5. That none of the above mentioned two girl children has obtained/availed the benefit granted under this category, in this University/Institute including its affiliated colleges.

Signature
(Father)

Signature
(Mother)

Place:

Dated:

NOTE: Who can apply under this category?

Single Girl Child

OR

One Girl Child out of only Two Girl Children*.

*Clarification: This Seat shall not be available for:-

- i) Those having three or more girl children.
- ii) Those having any male child.

G. CERTIFICATE BY THE CANDIDATE FROM BORDER AREA SCHOOL*

No.

Dated:

Certified that Mr./Ms./Mx. _____ son / daughter of Sh. _____ and Smt. _____ resident of _____ has passed the Matriculation from school situated in Border area and +2 from school situated in any other area, that is situated within 20 kms from the International Border.

It is further certified that Mr. / Ms. _____ has studied for _____ year(s) in the institution(s) that is situated within 20 kms from the International Border, as per date of joining and leaving school as given below :-

	Name of School	Date of joining	Date of leaving
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____

Place:

Seal and Signature

Date:

(Tehsildar / Principal / Headmaster)

* This certificate is only for those students, who have passed their Matric from school situated in Border area and +2 from school situated in any other area.

H. CERTIFICATE BY THE CANDIDATE FROM RURAL AREA SCHOOL*

No. _____

Dated: _____

Certified that Mr./Ms./Mx. _____ son/ daughter of Sh. _____ and Smt. _____ resident of _____ has passed the matriculation and +2 examination from Rural School(s) that does not fall in the area of the Municipal Corporation/Municipal Committee/ Small Town/Notified Area/Cantonment Area.

	Name of School	Date of joining	Date of leaving
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____

Place:

Seal and Signature

Date:

(D.E.O / Principal)

* This certificate is only for those students, who have passed their Matric and +2 Examinations from Rural Area School (s)

H. MEDICAL EXAMINATION FORM

(The medical examination will be conducted by any Govt. Gazetted Officer/Medical Officer at P.U. Health Centre)
(Items Nos. from 1 to 8 below to be filled in by the candidate)

1. Name of the candidate _____
2. Father's Name _____
3. Mother's Name _____
4. Date of Birth _____
5. Department (in which admission is being sought) _____
6. University Receipt for Medical Examination Fee
No. _____ Date _____
7. Roll No. (allotted by the Department): _____
8. History of any previous illness:
 - I. History of illness like epilepsy, Hypertension, Asthma, Tuberculosis, Rheumatic Arthritis, Diabetes, Heart Problem etc.
 - II. History of any Surgery / Accident _____
 - III. History of any medication _____

Photograph To be
attested by the
Physician

(Signature of the candidate to be
attested by the Chairman)

(Signature of the candidate in the
presence of examining Doctor)

(Signature of the Chairman with seal
of the Department)

Medical Examination

- A. General Physical Examination
 - (a) Blood Pressure: _____
 - (b) Pulse _____
 - (c) Vision (without glasses) Right____ Left ____
 - (d) Vision (with glasses) Right____ Left ____
- B. Laboratory Test :
Urine : Alb _____
- C. Systemic Examination
- D. Any person specific recommendation requiring further tests / examination

It is certified that the above named candidate has been medically examined and found fit to pursue the course of studies to which he or she has already been admitted provisionally.

(Signature of the Medical Officer with seal and date)

**FORM OF CERTIFICATE RECOMMENDED FOR LEAVE OR EXTENSION OR COMMUNICATION
OF LEAVE AND FOR FITNESS**

Signature of patient

Or thumb impression _____

To be filled in by the applicant in the presence of the Government Medical Attendant or Medical Practitioner (with qualifications-MBBS or above)

Identification marks:-

a. _____

b. _____

I, Dr. _____ after careful examination of the case certify hereby that _____ whose signature is given above is suffering from _____ and I consider that a period of absence from duty of _____ with effect from _____ is absolutely necessary for the restoration of his health.

I, Dr. _____ after careful examination of the case certify hereby that _____ on restoration of health is now fit of join service.

Signature of Medical attendant

Registration No. _____

(MBBS or above with Mobile #)

Note:- The nature and probable duration of the illness should also be specified. This certificate must be accompanied by a brief resume of the case giving the nature of the illness, its symptoms, causes and duration.

FORMAT FOR MEDICAL RECORD

Name of the patient:

Age:

Sex:

Address:

Occupation:

Date of 1st visit:

Clinical note (summary) of the case:

Prov. : Diagnosis :

Investigations advised with reports:

Diagnosis after Investigation:

Advice:

Follow up

Date:

Observations:

Signature in full _____

Name of Treating Physician
(MBBS or above with Mobile #)

Important Note:- Under this category of Physically Challenged, persons only with Permanent Physical Disability (PPD) will be considered. Candidates with temporary physical disability will not be eligible for applying under this category.

**COPY OF CERTIFICATE OF PHYSICALLY CHALLENGED CATEGORY FOR
APPLYING FOR ADMISSION**

Form-I

APPLICATION FOR OBTAINING DISABILITY CERTIFICATE BY PERSONS WITH DISABILITIES

1. Name: (Surname)_____ (First name)_____

 (Middle name) _____
2. Father's name:_____ Mother's name:_____
3. Date of Birth: (date) _____/ (month) _____ / (year) _____
4. Age at the time of application: _____ years
5. Sex: _____ Male/Female/Transgender
6. Address:
 - (a) Permanent address

 - (b) Current Address (i.e. for communication)

 - (c) Period since when residing at current address

7. Educational Status (Pl. tick as applicable)
 - I. Post Graduate
 - II. Graduate
 - III. Diploma
 - IV. Higher Secondary
 - V. High School
 - VI. Middle
 - VII. Primary
 - VIII. Non-literate
8. Occupation _____
9. Identification marks (i) _____ (ii) _____
10. Nature of disability:
11. Period since when disabled: From Birth/Since year _____
12. (i) Did you ever apply for issue of a disability certificate in the past _____ YES/NO
 - (ii) If yes, details:
 - a. Authority to whom and district in which applied

 - b. Result of application

13. Have you ever been issued a disability certificate in the past? If yes, please enclose a true copy.

Declaration: I hereby declare that all particulars stated above are true to the best of my knowledge and belief, and no material information has been concealed or misstated. I further, state that if any inaccuracy is detected in the application, I shall be liable to forfeiture of any benefits derived and other action as per law.

(Signature or left thumb impression of person with disability, or of his/her legal guardian in case of persons with mental retardation, autism, cerebral palsy and multiple disabilities)

Date:

Place:

Encl:

1. Proof of residence (Please tick as applicable)
 - a. ration card,
 - b. voter identity card,
 - c. driving license,
 - d. bank passbook,
 - e. PAN card,
 - f. passport,
 - g. telephone, electricity, water and any other utility bill indicating the address of the applicant,
 - h. a certificate of residence issued by a Panchayat, municipality, cantonment board, any gazette officer, or the concerned Patwari or Head Master of a Govt. school,
 - i. in case of an inmate of a residential institution for persons with disabilities, destitute, mentally ill, etc., a certificate of residence from the head of such institution.
2. Two recent passport size photographs

(For office use only)

Date:

Place:

Signature of issuing authority
Stamp

**Form-II
Disability Certificate**

(In cases of amputation or complete permanent paralysis of limbs or dwarfism and in case of blindness)

(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)

Recent pp size
Attested Photograph
(showing face only)
of the person with
disability

Certificate No. _____

Date: _____

This is to certify that I have carefully examined Shri/Smt./Kum. _____ son/wife/daughter of Shri _____ Date of Birth (DD/ MM/ YY) _____ Age _____ years, male/female, Registration No. _____ permanent resident of House No. _____ Ward/Village/Street _____ Post Office _____, District _____, State _____, whose photograph is affixed above, and am satisfied that:

(A) He/she is a case of:

- locomotor disability
- dwarfism
- blindness

(Please tick as applicable)

(B) the diagnosis in his/her case is _____

(C) he/she has _____ % (in figure) _____ percent (in words) permanent locomotor disability / dwarfism / blindness in relation to his/her _____ (part of body) as per guidelines (..... number and date of issue of the guidelines to be specified).

2. The applicant has submitted the following document as proof of residence:-

Nature of Document	Date of Issue	Details of authority issuing certificate

Signature/Thumb impression of the person in whose favour disability certificate is issued.

Signature and Seal of Authorised Signatory of
Notified Medical Authority)

Form-III
Disability Certificate
(In case of multiple disabilities)
(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)

Recent pp size Attested Photograph (showing face only) of the person with disability
--

Certificate No. _____

Date: _____

This is to certify that we have carefully examined Shri/Smt./Kum. _____ son/wife/daughter of Shri _____ Date of Birth (DD/ MM/ YY) _____ Age _____ years, male/female, Registration No. _____ permanent resident of House No. _____ Ward/Village/Street _____ Post Office _____, District _____, State _____, whose photograph is affixed above, and are satisfied that:

(A) He/she is a case of Multiple Disability. His/her extent of permanent physical impairment/disability has been evaluated as per guidelines (..... number and date of issue of the guidelines to be specified) for the disabilities ticked below, and shown against the relevant disability in the table below:

Sr. No.	Disability	Affected Part of Body	Diagnosis	Permanent physical impairment/ mental disability (in %)
1.	Locomotor disability	@		
2.	Muscular Dystrophy			
3.	Leprosy cured			
4.	Dwarfism			
5.	Cerebral Palsy			
6.	Acid attack Victim			
7.	Low vision	#		
8.	Blindness	#		
9.	Deaf	£		
10.	Hard of Hearing	£		
11.	Speech and language disability			
12.	Intellectual disability			
13.	Specific Learning Disability			
14.	Autism Spectrum Disorder			
15.	Mental illness			
16.	Chronic Neurological conditions			
17.	Multiple sclerosis			
18.	Parkinson's disease			
19.	Haemophilia			
20.	Thalassemia			
21.	Sickle Cell disease			

(B) In the light of the above, his/her over all permanent physical impairment as per guidelines (..... number and date of issue of the guidelines to be specified), is as follows:-
 In figures:- _____ percent
 In words:- _____ percent

2. This condition is progressive/non-progressive/likely to improve/not likely to improve.

3. Reassessment of disability is:

(i) not necessary.

Or

(ii) is recommended/after _____ years _____ months, and therefore, this certificate shall be valid till (DD / MM /YY) _____

@ - e.g. Left/Right/both arms/legs

- e.g. Single eye/both eyes

£ - e.g. Left/Right/both ears

4. The applicant has submitted the following document as proof of residence:-

Nature of Document	Date of Issue	Details of authority issuing certificate
---------------------------	----------------------	---

5. Signature and seal of the Medical Authority

Nature of Document	Date of Issue	Details of authority issuing certificate
---------------------------	----------------------	---

Signature/ Thumb impression of the person in whose favour disability certificate is issued.

Form-IV
Certificate of Disability
(In cases other than those mentioned in Forms II and III)
(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)

Recent pp size
 Attested
 Photograph
 (showing face
 only) of the person
 with disability

Certificate No. _____

Date: _____

This is to certify that I have carefully examined Shri/Smt./Kum. _____ son/wife/daughter of Shri _____ Date of Birth (DD/ MM/ YY) ____ Age ____ years, male/female _____, Registration No. _____ permanent resident of House No. _____ Ward/Village/Street _____ Post Office _____, District _____, State _____, whose photograph is affixed above, and am satisfied that he/she is a case of _____ disability. His/her extent of percentage physical impairment/disability has been evaluated as per guidelines (..... number and date of issue of the guidelines to be specified) and is shown against the relevant disability in the table below:-

Sr. No.	Disability	Affected Part of Body	Diagnosis	Permanent physical impairment/ mental disability (in %)
1.	Locomotor disability	@		
2.	Muscular Dystrophy			
3.	Leprosy cured			
4.	Cerebral Palsy			
5.	Acid attack Victim			
6.	Low vision	#		
7.	Deaf	•		
8.	Hard of Hearing	•		
9.	Speech and language disability			
10.	Intellectual disability			
11.	Specific Learning Disability			
12.	Autism Spectrum Disorder			
13.	Mental illness			
14.	Chronic Neurological conditions			
15.	Multiple sclerosis			
16.	Parkinson's disease			
17.	Haemophilia			
18.	Thalassemia			
19.	Sickle Cell disease			

(Please strike out the disabilities which are not applicable)

2. The above condition is progressive/non-progressive/likely to improve/not likely to improve.

3. Reassessment of disability is:

(i) not necessary.

Or

(ii) is recommended/after _____ years _____ months, and therefore, this certificate shall be valid till (DD / MM /YY) _____

@ - e.g. Left/Right/both arms/legs

- e.g. Single eye/both eyes

• - e.g. Left/Right/both ears

4. The applicant has submitted the following document as proof of residence:-

Nature of Document	Date of Issue	Details of authority issuing certificate
--------------------	---------------	--

(Authorised Signatory of notified Medical Authority)

(Name and Seal)

Countersigned

{Countersignature and seal of the CMO/Medical Superintendent/Head of Government Hospital, in case the certificate is issued by a medical authority who is not a government servant (with seal)}

Signature/Thumb impression of the person in whose favour disability certificate is issued.

Note: 1. "In case this certificate is issued by a medical authority who is not a government servant, it shall be valid only if countersigned by the Chief Medical Officer of the District"

Form V

(intimation of rejection of Application for Certificate of Disability)

No. _____

Dated _____

To

(Name and address of applicant
For Certificate of Disability)

Sub: Rejection of Application for Certificate of Disability

Sir/Madam

Please refer to your application dated _____ for issue of a Certificate of Disability for the following disability: _____

2. Pursuant to the above application, you have been examined by the undersigned / Medical Authority on _____, and I regret to inform that, for the reasons mentioned below, it is not possible to issue a Certificate of Disability in your favour:

(i)

(ii)

(iii)

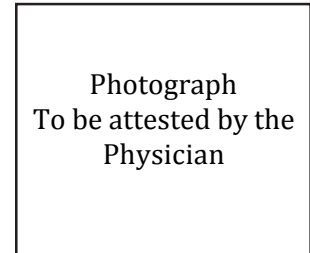
3. in case you are aggrieved by the rejection of your application, you may represent to _____, requesting for review of this decision.

Yours faithfully,

(Authorised Signatory of the notified Medical Authority)
(Name and Seal)

Certificate for candidates applying under the reserved category for Cancer/Thalassemia / AIDS

**DETAILED ADDRESS OF ISSUING PHYSICIAN AND HOSPITAL
(Mention serial number and date with phone number and address)**



This is to certify that Ms./Mr. _____ (Name of the student), Date of Birth: _____ C.R./OPD No. _____ D/o / S/o _____ (Mother's / Father's Name), resident of _____ (complete address), is a diagnosed case of _____ (Cancer / Thalassemia / AIDS)*. She/He is undergoing treatment for the same under my care.

(Signature of the Patient)

Attested

(Signature of the Physician)

Name and address of the Physician _____

Stamp of the Physician

*Strike out whichever is not applicable.

CONTACT INFORMATION IN CASE OF INCIDENCE OF RAGGING

It is to be noted that ragging is a cognizable offence and is banned in any form inside and outside the campus. A student who becomes victim of ragging should immediately inform the incident to the Chairperson of the Department/Warden of the Hostel.

Helpline numbers are given below :

Dean of Student Welfare	7087033309 e-mail: dsw@pu.ac.in
Dean of Student Welfare (W)	7087033310
Assistant Registrar (DSW)	0172-2534570, 0172-2541176
Chief of University Security	9779824323, 0172-2534289
P.U. Security Control Room	9501229494, 9872877744, 9888307832, 9569577963
Security Officers	9779737403 (24 hours Service)
Anti Ragging Helpline at	helpline@antiragging.in
National Anti Ragging Free Helpline No.	1800-180-5522 (24 x 7 Toll Free)

Details are available at <http://puchd.ac.in/anti-ragging.php>

PANJAB UNIVERSITY 'NO VEHICLE ZONE'

The implementation date of 'No Vehicle Zone' in the Panjab University Campus, Chandigarh, should be 1.6.2018 and the Public Notice for the same should be issued by the DPR well before 1st of June, 2018.

In the wake of shortage of the manpower in the Security Wing, the Chairpersons of the Departments be requested to spare the Security Guards working in their respective Departments for four hours for deployment on the desired locations on rotation basis. The university should also seek the help of NSS, NCC volunteers, young faculty members in this drive. Volunteers will be given the duty in rotation.

Panjab University Committee Against Sexual Harassment (PUCASH)

PUCASH is constituted for a period of two years consisting of at least six members for redressal of complaints of sexual harassment of women employees/female students. The Committee is headed by a woman professor as its Chairperson and has 50% of its members as women employees. Its members include a woman counsellor and a person with legal background.

The Sexual Harassment of Women at Workplace (Prevention, Prohibition, and Redressal) Act, 2013, the Senate at its meeting held on 10.9/24.9.2017 (Para-XXXIII) has approved the following as the members of PUCASH (Panjab University Committee Against Sexual Harassment) for the term of two years i.e., 01.10.2017 to 30.09.2019 :

1. Professor Manvinder Kaur **(Chairperson)**
Department-cum-Centre for Women's Studies & Development.
2. Professor Rajat Sandhir, Department of Bio-Chemistry.
3. Professor Sanjay Chaturvedi, Department of Political Science.
4. Mrs. Poonam Chopra, Deputy Registrar (Estt.).
5. Mr. Surinder Sharma, Supdt. Examination Branch.
6. Dr. Navneet Kaur, Department of Geography.
7. Ms. Rita Kohli, Additional Advocate General, Pb. & Hry. High Court, #3008, Sector 39-D, Chandigarh.
8. Ms. Subreet Kaur, Advocate, House No. 9, Sector-9, Chandigarh.

9. Mrs. Sunita Dhariwal, #1286 C, Sector-4, Panchkula.
10. Professor Promila Pathak, Department of Botany.
11. Dr. Ameer Sultana **(Convener)**
Department-cum-Centre for Women's Studies & Development.

Details are available at available at <http://puchd.ac.in/pucash.php>

LIST OF FAKE UNIVERSITIES

www.ugc.ac.in

1. Maithlli University/ Vishwavidyalaya, Darbhanga, Bihar.
2. Commercial University Ltd., Daryaganj, Delhi.
3. United Nations University, Delhi.
4. Vocational University, Delhi.
5. ADR-Centric Juridical University, ADR House, 8J, Gopala Tower, 25 Rajendra Place, New Delhi-110008.
6. Indian Institute of Science and Engineering, New Delhi.
7. Badaganvi Sarkar World Open University Education Society, Gokak, Belgaum (Karnataka).
8. St. John's University, Kishanttam, Kerala.
9. Raja Arabic University, Nagpur.
10. D.D.B. Sanskrit University, Putur, Trichi, Tamil Nadu.
11. Indian Institute of Alternative Medicine, Kolkatta.
12. Institute of Alternative Medicine and Research, 8-A, Diamond Harbour Road, Builtech inn, 2nd Floor, Thakurpurkur, Kolkatta - 700063.
13. Varanaseya Sanskrit Vishwavidyalaya, Varanasi (U.P.), Jagatpuri, Delhi.
14. Mahila Gram Vidyapith/ Vishwavidyalaya, (Women's University) Prayag, Allahabad (U.P.).
15. Gandhi Hindi Vidyapith, Prayag, Allahabad (Uttar Pradesh)
16. National University of Electro Complex, Homeopathy, Kanpur (Uttar Pradesh).
17. Netaji Subhash Chandra Bose University (Open University), Achaltal, Aligarh (Uttar Pradesh).
18. Uttar Pradesh Vishwavidyalaya, Kosi Kalan, Mathura (Uttar Pradesh).
19. Maharana Partap Shiksha Niketan Vishwavidyalaya, Partapgarh (Uttar Pradesh).
20. Indraprastha Shiksha Parishad, Institutional Area, Khoda, Makanpur, Noida Phase-II, Uttar Pradesh.
21. Gurukul Vishwavidyalaya, Vrindawan (Uttar Pradesh).
22. Nababharat Shiksha Parishad, Anupoorna Bhawan, Plot No. 242, Pani Tanki Road, Shaktinagar, Rourkela-769014.
23. North Orissa University of Agriculture & Technology, Odisha.
24. Bhartiya Shiksha Parishad, Lucknow, UP - the matter is subjudice before the District Judge -Lucknow

Universities de-recognized by Panjab University (Syndicate para 7, dated 20.03.2017)

E.I.I.L.M. University Sikkim degrees received after 2013-14



Professor Bernard Lucas Feringa, Nobel Laureate in Chemistry Raman Chair Professor, Indian Academy of Science, University of Groningen, The Netherlands giving lecture at 13th Chandigarh Science Congress during celebration of Platinum Jubilee of “Panjab University Pharmaceutical Sciences”.

PU Vice Chancellor Prof Raj Kumar alongwith IQAC Director, Prof. Ashish Jain and Professor Kanwaljit Chopra, Chairperson, UIPS at an award ceremony held at New Delhi during India Rankings 2019 and Atal Ranking of Institutions on Innovation Achievements (ARIIA 2019) under the umbrella of National Institutional Ranking Framework (NIRF).



Prof. Deepak Kapur, Chairman, University Business School along with Prof. M Rajivlochan, Dean Research, Dr. Purva Kansal, Conference Coordinator, Prof. William Rossiter, Associate Professor Nottingham Business School Staff Group(s) Department of Economics, NTU, UK, and Sh. Andrew Ayre, British Deputy High Commissioner, Chandigarh at the Conference organized by UBS, PU in collaboration with Nottingham Trent University(NTU), UK and Western Sydney University(WSU), Australia.



1. Students present during 68th Annual Convocation of Panjab University, Chandigarh.