

OFFICERS OF THE UNIVERSITY

Vice-Chancellor	Professor Arun K. Grover
Dean University Instruction	Professor A.K. Bhandari
Registrar	Professor A.K. Bhandari (Additional Charge)
Controller of Examination	Dr. Parvinder Singh
Finance & Development Officer	CA Vikram Nayyar
Dean Student Welfare	Professor Navdeep Goyal
Dean Student Welfare (Women)	Professor Nandita Singh
Dean International Students	Professor Gurmail Singh
Dean Alumni Relations	Professor Anil Monga
Dean College Development Council	Professor Naval Kishore
Dean Research	Professor Lalit Bansal
Librarian	Dr. Raj Kumar
Director, Computer Centre	Dr. Tankeshwar Kumar
Hony. Director, Academic Staff College	Professor Karamjeet Singh
Chief Medical Officer	Dr. D. Dhawan
Director Public Relations	Mr. Vineet Punia
Chief University Security	Dr. Jatinder Grover

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PANJAB UNIVERSITY, CHANDIGARH

This is for the information of the students of the Panjab University Campus that

“RAGGING IS COGNIZABLE OFFENCE AND IS BANNED IN ANY FORM INSIDE & OUTSIDE THE CAMPUS ”

Ingredients/forms of Ragging	Punishments
<ul style="list-style-type: none">- Abetment to ragging;- Criminal conspiracy to rag;- Unlawful assembly and rioting while ragging;- Public nuisance created during ragging;- Violation of decency and morals through ragging;- Injury to body, causing hurt or grievous hurt;- Wrongful restraint;- Wrongful confinement;- Use of criminal force;- Assault as well as sexual offences or unnatural offences;- Extortion;- Criminal trespass;- Offences against property;- Criminal intimidation;- Attempts to commit any or all of the above mentioned offences against the victim(s);- Physical or psychological humiliation;- All other offences following from the definition of “Ragging”.	<ul style="list-style-type: none">- Cancellation of admission.- Suspension from attending classes and academic privileges;- Withholding/withdrawing scholarship/fellowship and other benefits;- Debarring from appearing in any test/examination or other evaluation process;- Withholding Results- Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.- Suspension/expulsion from the hostel;- Cancellation of admission;- Rustication from the Institution for period ranging from 1 to 4 semesters;- Expulsion from the institution and consequent debarring from admission to any other institution for a specified period;- Fine ranging between Rs. 25,000/- to Rs. 1 Lakh;- Rigorous imprisonment upto 3 years.- Collective punishment : When the persons committing or abetting the crime of ragging are not identified, the institution shall resort to collective punishment.

Student becoming a victim of ragging should immediately inform to the concerned

Chairperson/ Warden as the case may be besides contacting on Helpline nos. given below :

Dean Student Welfare

Helpline Numbers for reporting ragging :

Dean Student Welfare

8283806486, Mail : dsw@pu.ac.in

Dean Student Welfare (W)

9815913327

Deputy Registrar (DSW)

2541596, 2534565, 9915080773

Chief-Security Officer

2534891, 2534289, 2536164, 9876120303

Security Officers

9417425827, 9872877744, 9888307832

**Sexual harassment is a serious criminal offence.
Follow the code of conduct and discipline for
the avoidance of this evil on the
University Campus.**

PUCASH shall have a membership of nine (9) persons, of which at least half the members shall be women. Members shall be nominated by the Apex Committee as mentioned under Clause 8.

- (i) One Chairperson (a senior women Professor with sufficient evidence of having contributed to gender sensitization).**
- (ii) One faculty member (preferably male).**
- (iii) Two Hostel Wardens (at least one women).**
- (iv) One Research Scholar (with potential to contribute to the Committee).**
- (v) One member from Non Teaching Staff.**
- (vi) One Eminent Women Academic from outside the University.**
- (vii) One representative of an NGO with special experience in issues of gender sensitization at least for the last three years.**
- (viii) One Counselor with an experience in the area from the University Campus.**

1. University and on proving the commission of misconduct the student shall be liable to be expelled from the University. The student aggrieved from the decision of the University shall be entitled to appeal to a Standing Committee to be constituted for the purpose by the Vice-Chancellor, of which a retired High Court Judge shall be the Chairman.
2. Once a student has indulged himself in the mis-conduct in any manner whatsoever on the University Campus and action taken against him, he shall not be entitled to admission in any Department of the University and for this purpose a separate web-site be created by the University so that the head of the Department while granting admission is able to check whether the student seeking admission is entitled to admission on account of his previous mis-conduct. The Head of the Department shall ensure checking the web-site before granting admission and shall give a certificate on the admission form to that effect.

Shaan-a-Shauqat

PANJAB UNIVERSITY ANTHEM

तमसो मा ज्योतिर्गमयः	Tamso ma jyotirgamaya
तमसो मा ज्योतिर्गमयः	Tamso ma jyotirgamaya
तमसो मा ज्योतिर्गमयः	Tamso ma jyotirgamaya
तमसो मा ज्योतिर्गमयः	Tamso ma jyotirgamaya
पंजाब विश्वविद्यालय	Panjab vishaw vidyalaya
तेरी शान- ओ - शौकत सदा रहे	Teri shaan-o-shauqat sada rahe
मन में तेरा आदर मान	Mann mein tera aadar maan
और मोहब्बत सदा रहे	Aur mohabbat sada rahe
पंजाब विश्वविद्यालय	Panjab vishaw vidyalaya
तेरी शान- ओ - शौकत सदा रहे	Teri shaan-o-shauqat sada rahe
तू है अपना भविष्य विधाता	Tu hai apna bhavishya vidhata
पंख बिना परवाज़ सिखाता	Pankh bina parwaaz sikhata
जीवन पुस्तक रोज़ पढ़ा कर	Jeevan pustak roz padha kar
सही गलत की समझ बढ़ाता	Sahi galat ki samajh badhata
जीवन पुस्तक रोज़ पढ़ा कर	Jeevan pustak roz padha kar
सही गलत की समझ बढ़ाता	Sahi galat ki samajh badhata
तेरी जय का शंख बजायें	Teri jai ka shankh bajayein
रौशन तारे बन जायें	Roshan tare ban jaayein
वखरी तेरी शोहरत	Vakhari teri shohrat
तेरी शोहरत सदा सदा रहे	Teri shohrat sada sada rahe
पंजाब विश्वविद्यालय	Panjab vishaw vidyalaya
तेरी शान- ओ - शौकत सदा रहे	Teri shaan-o-shauqat sada rahe
पंजाब विश्वविद्यालय	Panjab vishaw vidyalaya
तेरी शान- ओ - शौकत सदा रहे	Teri shaan-o-shauqat sada rahe
तमसो मा ज्योतिर्गमयः	Tamso ma jyotirgamaya
तमसो मा ज्योतिर्गमयः	Tamso ma jyotirgamaya

UNIVERSITIES DECLARED FAKE BY UGC

Note : *The candidates who have passed/appeared in the qualifying examination from any of the following universities (declared as fake by the UGC) are ineligible to appear in the Entrance Tests, as these institutions have been derecognised by the Panjab University.*

1. Maithlli University/ Vishwavidyalaya, Darbhanga, Bihar.
2. Mahila Gram Vidyapith/ Vishwavidyalaya, (Women's University) Prayag, Allahabad (U.P.).
3. Varanaseya Sanskrit Vishwavidyalaya, Varanasi (U.P.), Jagatpuri, Delhi.
4. Commercial University Ltd., Daryaganj, Delhi.
5. Indian Education Council of U.P., Lucknow (U.P.).
6. Gandhi Hindi Vidyapith, Prayag, Allahabad (U.P.).
7. National University of Electro Complex, Homeopathy, Kanpur.
8. Netaji Subhash Chandra Bose University (Open University), Achaltal, Aligarh (U.P.).
9. D.D.B. Sanskrit University, Putur, Trichi, Tamil Nadu.
10. St. John's University, Kishanttam, Kerala.
11. United Nations University, Delhi.
12. Vocational University, Delhi.
13. Uttar Pradesh Vishwavidyalaya, Kosi Kalan, Mathura (U.P.).
14. Maharana Partap Shiksha Niketan Vishwavidyalaya, Partapgarh (U.P.).
15. Raja Arabic University, Nagpur.
16. Kesarwani Vidyapith, Jabalpur (M.P.).
17. Badaganvi Sarkar World Open University Education Society, Gokak, Belgaum (Karnataka).
18. ADR-Centric Juridical University, ADR House, 8J, Gopala Tower, 25 Rajendra Place, New Delhi-110008.
19. Gurukul Vishwavidyalaya, Vrindawan (U.P.).

GENERAL IMPORTANT GUIDELINES

- (i) The Senate at its meeting held on 30.9.2001 decided that :
- The requirement of 75% of the total number of lectures, tutorials, seminars, practicals, etc. stipulated in the U.G.C. letter No. FI-8 (CPP-II) dated 26.7.2001 be made applicable from the academic session 2002-2003.
- The Chairpersons of the Teaching Departments and Co-ordinators/Directors of the respective Teaching Centres will display the shortage of lectures on the notice board at the end of every month for information of the students.
- (ii) The candidates seeking admissions in any of the University Courses shall submit their admission forms duly filled in, complete in all respect on or before the prescribed date for receipt of such application forms irrespective of the date of declaration of results.
- (iii) Fees/Funds and charges payable for various courses by the students shall be as prescribed by the Syndicate of the Panjab University, Chandigarh from time to time.
- (iv) Candidates desirous of applying for admission to University teaching departments for the session 2013-2014 can download admission form from P.U. Website www.puchd.ac.in free of cost. However, those finally admitted will be charged Rs. 60/- as cost of admission form along with admission fees.
- (v) The candidate who has applied online for the Entrance Test for Courses under P.U.-CET-(P.G.)-2013 must submit a separate Admission Form to the concerned department/Centre after the Entrance Test, irrespective of the declaration of result in Entrance Test.
- (vi) **The degree/s awarded by C.M.J. University, Shillong (Meghalaya), irrespective of year of award of degree, shall be deemed as derecognized w.e.f. the session 2013-14.**

General

Students of the B.Sc. (Honours School) study one major subject and two other subjects in the first 2-year of their Course. In addition they study English as preliminary subject during first year only. It is for the general guidance of the students that they must observe the following :-

1. Regulation regarding the attendance requirements will be strictly enforced as per regulation 3 at page 151 of the Cal. Vol. I, 2007, which reads as under :-

“Every student shall attend his classes on all working days unless he is granted leave of absence by the Head of the Department/College. 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”.

2. All the students may carry their Identity Cards while going to attend subsidiary classes in other departments.

3. The various Science Departments may co-ordinate the educational tours of their students in such a way that the subsidiary classes are not disrupted unduly.

4. The final certificate issued to the Hons. School students will indicate the number of courses/ reappears availed of by them for each course.

5. Wherever NRI is mentioned in Part-A of this Volume, it stands for the category Foreign National/NRI.

6. That the first three toppers of the Panjab University P.U. (CET)-(U.G) Entrance Test, i.e. one each in the category of General, Women and SC/ST who join the courses at the Panjab University Campus, may be exempted from payment of tuition fee during first year and subsequently on the result of 1st year/ 2nd year/3rd year Classes as the case may be. [Extract from Syndicate Paragraph-I, dated 26-4-2003].

Admissions :

All admissions to the various courses in the University will be governed by the Rules and Regulations for admission as approved by the relevant bodies of the university.

At the time of admission, the student should submit an undertaking whether he/she has any criminal background and has been convicted under any criminal offence. He/She should also state in the undertaking if any FIR is registered against him/her or if any criminal proceedings are still pending against him/her at the time of submission of application. Further, the student should also state in the undertaking that he/she will not possess/carry any weapon on the University Campus and if any weapon is recovered from him/her, he/she be rusticated.

(Syndicate Para 6, dated 29-3-2011)

Ph.D. Entrance Test :

Enrolment to Ph.D. in the Faculties of Arts, Science, Languages, Education, Design & Fine Arts, Laws, Engineering and Business Management & Commerce is based on Entrance Test except for certain categories approved by the Syndicate.

The University will hold an Entrance Test for M.Phil. Course in the Departments of A.I.H.C.A., Economics, Gandhian and Peace Studies, History, Music, Political Science, Police Administration, Philosophy, Public Administration, Sociology, C.D.N.S.S., English, Panjabi, Sanskrit, Botany, Statistics, Zoology, Physical Education and **P.U. R.C., Muktsar**, (Panjabi).

The level of Aptitude Entrance Test for **M.Phil.** and **Ph.D.** has been same. If Entrance Test qualified candidates would be interested to join **M.Phil.** programme in any Teaching Departments approved for the purpose, they would be allowed to do so.

For the Rules and Regulations, please see Part-B (Rules for Admissions) of this Handbook of Information.

In case of any discrepancy arising out of the contest of Part-A and Part-B of this volume, Part-B will take precedence.

10 percent seats over and above the total number of regular seats in each course are reserved for the Foreign Nationals/NRI candidates. The decision of the Syndicate/Senate where the seats have already been granted more than the 10% seats will also prevail.

Foreign Nationals/NRI candidates seeking admission to the concerned course are required to compete amongst themselves for the seats reserved for them by appearing in the Entrance Test (wherever applicable) if they are in India. However those who living abroad at the time of entrance test will be exempted from the entrance test.

(Syndicate Para 30, dated 16-1-2014)

Condonation of shortage of Lectures

That in order to make improvement in the procedure for condonation of shortage of lectures of the students of Teaching Departments and the Regional Centres of the University, the Syndicate vide Paragraph 24 dated 04 & 16-1-2014, has resolved that :-

- (1) the cases for condonation of shortage of lectures be sent directly to the D.U.I. office by the concerned Department and later on, the same be sent to the Vice-Chancellor/Syndicate to avoid delay in the processing of the case;
- (2) the case of the candidates, who do not fulfil the minimum requirement of 30% or 33% lectures (according to the criteria of each department), be not considered for condonation of shortage of lectures;
- (3) D.S.W. (Men) and D.S.W. (Women) be directed to ensure that list of students, who participate in cultural programme, be sent to the concerned Department within 15 days of the organization of the event;
- (4) the supporting document for condonation of shortage of lectures be deposited to the Head of the Department within 15 days (calendar days) after joining the Department after availing leave due to illness or any other reason; and
- (5) the existing rules, which are applicable as per Senate decision taken in its meeting held on 12.10.2003 and 31.10.2012, be strictly implemented for the cases of the condonation of shortage of lectures.

IMPORTANT DATES FOR ADMISSION

Following is the schedule for admissions to the University Teaching Departments for the session 2014-2015 :

Class/Course	Normal Admission Without late fee	Late admission to be allowed by the Chairperson of the Department, with late fee of Rs. 500/-	Late admission with permission of the V.C. with late fee of Rs. 1800/-
I. 1st Year of M.A./M.Sc./ M.Sc. (Hons. School)/ M.Pharm./M.Com. and all other Courses (except II below).	07.07.2014 to 15.07.2014	16.07.2014 to 28.07.2014	30.07.2014 to 20.08.2014
II. Certificate/Diploma/ Adv. Dip. Courses	25.07.2014 to 05.08.2014	06.08.2014 to 13.08.2014	14.08.2014 to 20.08.2014
III. Ongoing Courses/ Classes*	Upto 24.07.2014	25.07.2014 to 04.08.2014	05.08.2014 to 20.08.2014

*In case the result of a class has already been declared, the teaching work of ongoing class will start w.e.f. 10.07.2014 or those classes for which the result has not been declared so far, the ongoing classes will start on 4th working day after the date of declaration of the result.

- Notes :**
1. All the University Teaching Departments should strictly adhere to the dates of admissions as indicated above. In no case should any admission be made before the dates of normal admission as specified above.
 2. The Vice-Chancellor may permit late admission upto the date specified in the above mentioned admission schedule, on payment of late fee of Rs. 1800/- payable to the University. While recommending such applications for prior permission of the Vice-Chancellor, it may be ensured that the late fee of Rs. 1800/- has been remitted by the candidate.

The SBI Receipt No. and date may also be mentioned in the application. No application received without late fee of Rs. 1800/- will be entertained for granting prior permission of the Vice-Chancellor.

Prior permission of the Vice-Chancellor is necessary for admission after the expiry of the last date for each course as indicated in column 2 above. If such permission is not sought and the admission is made in anticipation of the approval of the Vice-Chancellor, post-facto permission will not be given.

A student whose result of +2 examination conducted by a *School Board* is published late *but not later than 10th August of the year of admission*, may be admitted without late fee within 15 working days of the declaration of the result, and his/her attendance shall be counted from the date of admission. *This would be applicable to an Open School Board also.*

3. In case admission dates fall on Saturday/Sunday, the University (Teaching Departments/ Administrative Offices) shall remain open.

Academic Term-I 1st, 3rd, 5th, 7th Semester	10-07-2014 (Thursday)	to	01-10-2014 (Wednesday)	(56 Teaching days)
Autumn Break	02-10-2014 (Thursday)	to	11-10-2014 (Saturday)	(10 days)
University Reopens after Autumn Break	13-10-2014 (Monday)	to	17-12-2014 (Wednesday)	(43 days)

Total Teaching days of Academic Term = 99 days

End Semester Examinations	18-12-2014 (Thursday)	to	27-12-2014 (Saturday)	(8 including Saturday)
Semester Vacation (Winter Break)	29-12-2014 (Monday)	to	14-01-2015 (Wednesday)	(17 days)

Academic Term-II
2nd, 4th, 6th, 8th Semester

University Reopens after Semester Examinations	15-01-2015 (Thursday)	to	22-05-2015 (Friday)	(86 Teaching days)
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Total working days of Academic Term II = 86 days

End Semester Examinations	23-05-2015 (Saturday)	to	30-05-2015 (Saturday)	(7 days)
Summer Vacation (Tentative)	01-06-2015 (Monday)	to	09-07-2015 (Thursday)	(39 days)

Total teaching days of academic term I & II = 99+86 = 185 days

Note : The departments 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 may be allowed by the Dean of University Instruction in special cases.

LOCATION OF DEPARTMENTS AND PHONE NUMBERS*

Department/Centres	Location	EPABX Intercom No.	
Dean Research	VC's office	4535	01722540535
I Faculty of Arts			
1. Ancient Indian History, Culture & Archaeology	Arts Block No. II	4629	
2. Defence & National Security Studies	Arts Block No. III	4398	
3. Economics	Arts Block No. III	4720	
4. Gandhian and Peace Studies	Gandhi Bhavan	4183	
5. Geography	M.R. Sahni Hall	4258	
6. Guru Nanak Sikh Studies	Guru Teg Bahadur Bhawan	4337	
7. History	Arts Block No. II	4623	
8. Library & Information Science	Arts Block No. IV	4769	
9. School of Communication Studies	Arts Block No. VII	4634	
10. Philosophy	Arts Block No. IV	4776	
11. Political Science	Arts Block No. IV	4755	
12. Psychology	Hans Raj Gupta Hall	4542	
13. Public Administration	Arts Block No. III	4732	
14. Sociology	Arts Block No. IV	4739	
15. Department-cum-Centre for Women's Studies & Development	Arts Block No. VI	4762	
16. Centre for Emerging Areas in Social Sciences			
(a) Social Works	Adjoining Botany Deptt.	4983	
(b) Police Administration	-do-	6191	
(c) Human Rights & Duties	-do-	4548	
II Faculty of Business Management and Commerce			
1. University Business School	Arts Block No. III	4701	
2. University Institute of Applied Management Sciences	Sector 25	4499	
3. University Institute of Hotel Management & Tourism	UIHMT Building	4498	
III Faculty of Design and Fine Arts			
1. Art History & Visual Arts	Fine Arts Block	4190	
2. Indian Theatre	Open-Air Theatre	4658	
3. Music	Near RRC Building	4339	
4. University Institute of Fashion Technology & Vocational Development	Adjoining Botany Deptt.	4336	

IV. Faculty of Education

1. Community Education & Disability Studies	RRC Building	4154
2. Education	Arts Block No. II	4601
3. Institute of Educational Technology & Vocational Education	Old DCC Building	4381
4. Life Long Learning & Extension	Adjoining Botany Deptt.	4336
5. Physical Education	Arts Block No. II	4609

V. Faculty of Engineering & Technology

1. Dr. S.S. Bhatnagar University Institute of Chemical Engineering & Technology	Dr. S.S.B. UICET Building	4901
2. UCIM/SAIF/CIL/RSIC	CIL Building	4047
2. University Institute of Engineering & Technology	Sector 25	4995

VI. Faculty of Languages

1. Chinese and Tibetan	Arts Block No. V	4685
2. Dayanand Chair for Vedic Studies	Arts Block No. I	4666
3. English	Arts Block No. I	4638
4. French and Francophone Studies	Arts Block No. V	4681
5. German	Arts Block No. V	4683
6. Guru Ravi Dass Chair of Sant Sahitya Studies	Old DCC Building	4338
7. Hindi	Arts Block No. II	4616
8. School of Punjabi Studies		
(i) Punjabi	Arts Block No. I	4653
(ii) Bhai Vir Singh Chair	Arts Block No. I	4668
(iii) Sheikh Baba Farid Chair	Arts Block No. I	4345
(iv) Punjabi Lexicography	Arts Block No.V	4673
9. Russian	M.R. Sahni Hall	4273
10. Sanskrit	Arts Block No. I	4646
11. Urdu	Chem. Engg. Building	4936
12. Vishveshvaranand Vishwa Bandhu Institute of Sanskrit and Indological Studies, Hoshiarpur		01882–221002

VII. Faculty of Law

1. Laws	Law Deptt. Building	4157
2. University Institute of Legal Studies	UILS Building	4696

VIII. Faculty of Medical Sciences

Dr. H.S. Judge Institute of Dental Sciences & Hospital	Sector 25	4687
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IX. Faculty of Pharmaceutical Sciences

University Institute of Pharmaceutical Sciences	BMS Block	4101
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X. Faculty of Sciences

1. Anthropology	Vishwa Nath Hall	4223
2. Biochemistry	B.M.S. Block	4131
3. Biophysics	B.M.S. Block	4119
4. Biotechnology	CIL Building	4085
5. Botany	Kashyap Block	4001
6. Chemistry	Chemistry Block	4401
7. Computer Science & Application	Computer Science Block	4069
8. Computer Centre	Computer Science Block	4064
9. Environment & Vocational Studies	Kashyap Block	4015
10. Institute of Forensic Science & Criminology	BMS Block	4197
11. National Centre for Human Genome Studies & Research	BMS Block	4109
12. Geology	M.R. Sahni Hall	4235
13. Mathematics	Hans Raj Gupta Hall	4501
14. Microbiology	BMS Block	4140
15. Physics	Physics Block	4446
16. Statistics	Hans Raj Gupta Hall	4529
17. Zoology	Vishwa Nath Hall	4201
18. Microbial Biotechnology	CIL Building	4660
19. Centre for Emerging Areas in Science and Technology		
(i) Public Health	Old UIET Building	6192
(ii) System Biology & Bioinformatics	BMS Block	6182
(iii) Nuclear Medicine	BMS Block	4121
(iv) Nanoscience & Nano- technology	Physics Block	4460
(v) Medical Physics	Physics Block	4452
(vi) Stem Cell & Tissue Engineering	BMS Block	4967

XI. Multi-Faculty Departments

1. Evening Studies-Multidisciplinary Research Centre	Arts Block-I	4546
2. University School of Open Learning	DCC Building	4301
3. Regional Centre, Muktsar		01633-63857, 261489
4. Rural Centre, Kauni, Muktsar		01633-280280
5. Regional Centre, Ludhiana		0161-2449558, 2448917
6. Swami Sarvanand Giri Regional Centre, Bajwara, Hoshiarpur		01882-282221

*Please prefix 253 to the above numbers in case you are ringing from BSNL Telephone from outside or within the University. For example to contact the office of the Dean of University Instruction, please ring up 2534291 from BSNL Phone, and 4291 from EPABX number within the University Campus.

XII. Misc. Departments/Centres

1.	Centre for Study of Mid-West and Central Asia	Arts Block-III	4757
2.	Centre for Study of Geopolitics	Arts Block-III	4757
3.	Centre for Study of Social Exclusion and Inclusive Policy	Arts Block-VII	4753
4.	Centre for Vivekananda Studies	Guru Teg Bahadur Bhawan Near USOL	
5.	IAS & other Competitive Exams.	Old DCC Building	4380
6.	Central Placement Cell	DSW's Office premises	4581
7.	Central Animal House	BMS Block	4100
8.	Central for Industry-Institute Partnership Programme (C.I.I.P.P.)	Old DCC Building	4352
9.	Population Research Centre	Arts Block-IV	2543921



PANJAB UNIVERSITY : A PROFILE

Ranked number one in India and in the bracket 226-250 internationally in the Times Higher Education World University Rankings, 2013-2014 powered by Thomson Reuters

Ranked number one in India and 13th in the Times Higher Education BRICS & Emerging Economies Rankings 2014

A. PURPOSES OF THE UNIVERSITY

The University has been incorporated for the purposes, among others, of imparting education in Arts, Letters, Science and the learned professions and of furthering advancement of learning, the prosecution of original research, with power to appoint University Professors, Readers and Lecturers, to hold and manage educational endowments, to erect, equip and maintain University colleges, libraries, laboratories and museums, to making regulations relating to the residence and conduct of students and to do all such acts as tend to promote study and research.

B. HISTORY AND PRESENT INFRASTRUCTURE

The Panjab University has a long tradition of pursuing excellence in teaching and research in science and technology, humanities, social sciences, performing arts and sports. The University supports excellence and innovation in academic programmes, promotes excellence in research, scholarship and teaching and is committed to attracting and supporting the best students and faculty who excel at teaching and research. For more than a century, it has served various societal needs with distinction. The glorious traditions of the University established during the period of more than a hundred and thirty years of its long service to the nation since its inception in 1882 at Lahore (now in Pakistan) are a source of inspiration for the present generation of faculty members and students. By virtue of its age, experience, achievements and philosophy, the Panjab University is a University of national character and stature and draws both faculty and students from all over the country and abroad. Its faculty includes some of the most distinguished scientists and academicians. It continues to attract celebrated scholars who interact with the faculty and students. Over the years, the reputation of the Panjab University has grown into one of innovative teaching, research and community outreach.

After the Partition in 1947, the University was constrained to function for almost a decade without a campus of its own. The administrative office was located at Solan and the teaching departments functioned from Hoshiarpur, Jalandhar, Delhi and Amritsar. In 1956, it was relocated at Chandigarh. Pierre Jeannerette designed the red sandstone University campus under the general guidance of the legendary Le Corbusier. Till the re-organisation of Punjab in 1966, the University had its regional centers 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 catering to the newly organized States of Haryana, Himachal Pradesh and Punjab and the Union Territory of Chandigarh. Gradually, the colleges of Himachal and Haryana were affiliated to the Universities in the

respective states and the Panjab University was left with the affiliated colleges in the Union Territory of Chandigarh and some parts of Punjab. The Consultative Committee of the Government of India approved, in 1976, the ratio of 60:40 for the sharing of the maintenance deficit of the Panjab University by the Central Government (through the Chandigarh Administration) and the Government of Punjab, respectively. Initially, the Government of Punjab restricted its share of maintenance grant to Rs.16 crore, but subsequently revised it to Rs.20 crore, irrespective of its actual share on the basis of the above stated ratio. To re-examine the ratio of funds between the Government of India and the Government of Punjab as well as to determine the optimum ratio of funds for the Panjab University, a new internal ministerial Consultative Committee was constituted by the Government of India. The Committee recommended that the Central Government may fund the University through the UGC after adjusting the funds provided by the Government of Punjab and the surplus from the self-financing courses. The annual budgeted expenditure and income of the University for the Financial Year 2012-13 amounted to Rs.302.83 crores and Rs 149.24 crores, respectively.

The Panjab University, with its 75 teaching and research departments besides 15 centers/chairs for the teaching and research on the main campus at Chandigarh, has more than 192 affiliated/constituent colleges spread over Punjab and Chandigarh besides Regional Centres at Muktsar, Ludhiana, Hoshiarpur and Kauni. In addition, there is the Vishveshwaranand Vishva Bandhu Institute of Sanskrit and Indological Studies (VVBIS&IS) at Hoshiarpur.

C. THE CAMPUS

The Panjab University is located in Sector 14, with a newly developed South Campus in Sector 25. The total land area is almost 550 acres.

The layout of two parts 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, infra structural facilities like its own Shopping Centre, Health Centre, Bank, Post office, Swimming Pool, Gymnasium, Botanical Garden, well maintained parks, Open Air Theatre, Guest Houses, Faculty House, Seminar Complexes, Alumni House, Community Centre and School have been provided.

The main University Campus in Sector 14 has fairly well-marked zones like teaching, administrative, sports/recreational and residential. 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 three-winged structure of the Gandhi Bhawan is the most artistic building, known as the pride of the University. 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. The University Library, another key building, of the Sector 14 Campus is an RCC framed structure with red sandstone veneers. The Student Centre with its circular base and a ramp pulsating around its cylindrical body is another land mark building.

The South Campus of the Panjab University in Sector 25 encompasses an area measuring approximately 175 acres. The layout of this part of the Campus was basically initiated as an extension of its existing residential complex in the main campus. Later on, Institutes like the University Institute of Engineering and Technology (UIET), Dr. Harvansh Singh Judge Institute of Dental Sciences, the University Institute of Applied Management Sciences (UIAMS), Emerging Areas in Sciences, a new block for Basic Medical Sciences, and hostels were added.

D. TEACHING DEPARTMENTS/CENTERS

The seventy-five Departments and fifteen Centers/Chairs on the campus and the four Regional Centers are grouped under the Faculties of Arts, Science, Languages, Law, Education and Fine Arts,

Business Management and Commerce, Engineering and Technology, Medical Sciences, Pharmaceutical Sciences and Dairying, Animal Husbandry and Agriculture. Most departments have their own specialized libraries, and the working period runs for at least 180 days in a year.

Dynamic in its approach to make this institution of higher learning a globally competitive leader, the University has achieved many recognitions.

Centers of Excellence

Acknowledging excellence in teaching and research, the University Grants Commission (UGC) and the Department of Science and Technology (DST) have recognized a large number of Departments under various Programmes such as the Special Assistance Programme/Departmental Research Support (SAP/DRS), Centre for Advanced Study (CAS), Funds for Improvement of Science and Technology (FIST) and the Department of Special Assistance (DSA). The Departments covered under various UGC and DST Programmes are:

Special Assistance Programme/ Centre for Advanced Study (SAP/CAS)	Departments of Anthropology, Chemistry, Geography, Physics, Geology, Mathematics, Sociology and Zoology and the University Institute of Pharmaceutical Science (UIPS)
Special Assistance Programme/ Departmental Research Support (SAP/DRS)	Departments of Biochemistry, Biophysics, Botany, Biotechnology, Economics, Education, English and Cultural Studies, Microbiology and Political Science and the University Business School (UBS) and the SSB University Institute of Chemical Engineering and Technology (SSBUICET)
Department of Special Assistance (DSA)	Department of Statistics
Funds for Improvement of Science & Technology (FIST)	Departments of Anthropology, Biophysics, Biotechnology, Chemistry and Physics and SSBVICET and VIPS

University with Potential for Excellence

The University has been recognized by the UGC as the "University with Potential for Excellence in Biomedical Sciences" with facilities for Stem Cell Research and Drug Development. During the 11th Five Year Plan (2007-2012), it was awarded the following two Centres of Excellence by the UGC under the Scheme of Centre with Potential for Excellence in a Particular Area (CPEPA):-

- (i) Centre of Excellence in "Application of Nano Materials, Nano Particles and Nano Composites", with a grant of Rs. 3.55 crore and
- (ii) Centre of Excellence in "Cultural Fixation on Honor: A Gender Audit of Punjab and Haryana", with a grant of Rs. 1.85 crore.

PURSE Award:

The Department of Science and Technology, Government of India has selected the Panjab University as one among the 14 top Universities in India for further funding under the Promotion of University Research and Scientific Excellence (DST-PURSE) programme. Under this prestigious scheme,

Panjab University will receive Rs.34.8 crore for the development of research infrastructure, which could be utilized in the period from 2014 to 2018.

E INTERNET AND COMMUNICATION FACILITIES

The Computer Center of the University has established Gigabit technology to provide high speed connectivity to various Departments through the National Knowledge Network (NKN) and the National Mission of Education through Information and Communication Technology (MEICT) network. Almost all the Departments are connected through optical fibre. All hostels and the Academic Area of Sector 14 have been made Wi-Fi and the students can access free internet through the hardware firewall installed at the Computer Centre with three wide area network links of 2x 1 Gbps and 155 Mbps.

The Computer Centre has hosted network based computing software for Scientists and Social Scientists. The latest storage device, e-mail Server and Web Server have been hosted at the Computer Centre.

In addition to the above, the University has made significant progress in office automation. It has successfully deployed a computerized diary-dispatch system, HR module and financial module from the year 2011-12. The University, by developing its own software, is facilitating online admission to various courses.

Access to internet and an optimal use of Information Technology by all the faculty members and students has been initiated by providing more than 2000 nodes/internet connection points (excluding Wi-Fi access) in various Departments and the University Library. The University Library is connected through the Infnlibnet network with all Departments on the campus that avail the facility of online journals provided through the UGC Infnlibnet.

From time to time, the Computer Centre offers short-term awareness courses for the faculty, non-teaching staff and research scholars free of cost. These courses have been very useful for encouraging the faculty, staff and research scholars to make an effective use of Computer Information Technology and other support services.

Further, the University has provided computer systems along with internet facility to the teaching Departments for their use in research/administration as well as for training of students.

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.

F OTHER FACILITATING CENTERS

(i) Regional sophisticated instrumentation centre

The University has a DST-supported Regional Sophisticated Instrumentation Centre along with the Central Instrumentation Laboratory (CIL) and the University Science Instrumentation Centre (USIC) to serve the scientific community on the campus and in the region.

(ii) Centre for Industry Institute Partnership Programme

The Centre for Industry Institute Partnership Programme (CIIPP) has been active 10 promoting formal and effective academic-industry interface.

(iii) Coaching Centre for the Civil Services Examinations

The University has a Coaching Centre for the Civil Services Examination as well as other competitive examinations.

(iv) Energy Research Centre

The Energy Research Centre was established in 1983 to promote research, development and extension activities in the emerging field of renewable energy. It has emerged as a major focal point of R&D and extension in energy and environment at national and international level. Pioneering work in the areas of solar/thermal energy storage, solar detoxification, biomethanation of agricultural/industrial/forest wastes, biomass combustion and gasification, indoor air quality, energy and environmental conservation & management and hydrodynamics of polymeric solutions is being carried out at the Centre.

The Energy Research Centre has professional contacts with a number of reputed international Institutes such as the University of Florida, USA; the University of Cincinnati, USA; the SRI International, USA and the Lakehead University, Canada. A number of students from developing and developed countries have undergone training in the area of energy and environment at the Centre. The Centre has also helped the States of Haryana, Punjab and Himachal Pradesh and the Union Territory of Chandigarh, J&K and the North-Eastern States in solving problems associated with energy planning, management and environmental protection.

(v) Centre for the Study of Social Exclusion and Inclusive Policy

The Centre for the Study of Social Exclusion and Inclusive Policy has been set up with the support of the UGC where the focus of research and teaching would be on inclusive growth.

G PARTICIPATION IN NATIONAL AND INTERNATIONAL COLLABORATIVE RESEARCH

The University is participating in the prestigious International High Energy Research Programmes at Fermilab (USA), KEK (Japan) and CERN (Switzerland). At present the University is involved in a big way in CMS and ALICE Experiments at CERN (European Organization for Nuclear Research) Switzerland and Neutrino Programme at Fermilab, USA. The CMS (Compact Muon Solenoid) project at Large Hadron Collider is for the discovery of Higgs boson and other new particles. To participate in the CMS project, the Department of Science and Technology and the Department of Atomic Energy has provided grant of Rs. 12 crores during the 11th Five-Year Plan and about 19 Crores for the 12th Five-Year Plan. Panjab University has fabricated and tested Plastic Scintillator counter detectors for the CMS project. These detectors were commissioned by the University team at CERN and are going to be used for next 20 years for various potential Physics discoveries. Through the participation in the CMS Project, the Panjab University has become a part of a major discovery of the century i.e. Higgs boson which was announced on July 4, 2012 at CERN and, in 2013, Nobel Prize has been awarded to Briton Peter Higgs and Belgian Francois Englert for the "theoretical discovery" of the sub-atomic particle. Under these International Research programs, the University had earlier been involved in the Top Quark Discovery (1995) and CP-violation discovery (2001).

International exchange programmes

The University shares an international exchange programme with many countries, including Sweden under the auspices of the European Law Students' Association (ELSA) and an exchange programme with the British Council in the field of Public Administration. There exists an ongoing international exchange programme with the Universities of Manitoba and Kyrgyzstan as well as the Simon Fraser University, Canada. The Dean of International Students looks after the academic affairs of overseas students from over fifteen countries. Working directly with the Regional Director of the ICCR, the Dean helps to facilitate the admission of foreign students.

H PLACEMENTS & GUIDANCE BUREAU

The University Employment Information & Guidance Bureau provides employment information and advice to the University alumni. There is also a unit of Information and Advisory Bureau which guides students with regard to their studies abroad.

Central Placement Cell has been established through which students of professional and non-professional courses are placed in reputed companies through centralized placement drives.

I SPORTS

The University has playgrounds for all major sports, a gymnasium hall and a swimming pool of high standard for its sports activities. In 2014, three new infrastructures will come up, i.e., a blue field hockey Astroturf, a 25 m shooting range and an all-weather swimming pool. The University has been awarded the MaulanaAbul KalamAzad (MAKA) trophy fourteen times for excellence in games and sports at the all India Inter-University level.

J. UNIVERSITY SCHOOL OF OPEN LEARNING:

The present study programmes consist of the following courses:

1. Bachelor of Arts (Three Year Integrated Course), Bachelor of Commerce (Three Year Course) and Bachelor of Library & Information Science (One Year Course).
2. Master of Arts (Four Semester Course) in English, Hindi, Punjabi, Economics, History, Political Science, Public Administration, Sociology.
3. Master of Commerce (Four Semester Course), Master of Finance & Control (MFC) (Two Year Course). Master of Education (M.Ed.) (For in-service teachers) (Two year Course).
4. One year Diploma/Certificate Courses:
 - (i) Post Graduate Diploma in Health, Family Welfare and Population Education, Statistics, Mass Communication, Computer Applications, Human Rights and Duties, Library Automation and Networking
 - (ii) Advanced Diploma in Naturopathy and Yoga
 - (iii) Diploma in Creative Photography
 - (iv) Certificate Courses in Vivekananda Studies, Women Studies
5. Bachelor of Education (B.Ed.) (For in-service teachers) (Two year Course).
6. MBA (Off Campus) (Four Semester Course). To maintain its cutting-edge status, the University launched in 2008, off-campus Management Programmes.

OTHER RECENT IMPORTANT DEVELOPMENTS

- The University initiated many reforms in examination system and online submission of forms for post graduate examination was launched.
- The University Campus Sector 14 (academic area) and all Hostels of PU have been made Wi-Fi.
- Girl's hostel and moot court at PURC, Ludhiana inaugurated.

- New Girls hostel (Arnrita Pritam Hall) inaugurated at Sector 25.
- Panjab University began a year long commemoration of its illustrious alumnus Prof. Ruchi Ram Sahni on his 150th Birth Anniversary. As part of these celebrations, lectures were delivered in the University Auditorium by Prof. Ashok Sahni, grandson of Prof. Ruchi Ram Sahni and Prof. Jayant Narlikar, founder Director, Inter University Centre for Astronomy and Astrophysics, Pune.
- UIET and SSBUI CET have been selected for the prestigious TEQIP.
- Noted Software expert Dr. F C Kohli delivered lecture on the occasion of Convocation of UIET.
- Hosted Annual meeting of Indian Academy of Science, Bangalore.
- Hosted Annual Convention of Chemists.
- Annual Foundation Day Public Lecture was delivered by Eminent Writer and Jnanpith Award winner Prof. Gurdial Singh. Postal Stamp on Prof. Ruchi Ram Sahni was released
- The University celebrated the National Education Day by organizing a lecture on 'Science and Society' by Professor DVS Jain
- College-University interaction has been enhanced using Virtual Private Network (VPN).
- A Cluster of Chandigarh Region Institutions to promote and sustain excellence in research, named "Chandigarh Region Innovation and Knowledge Cluster (CRIKC)" has been started.
- The University won All India Inter University Titles in Basketball (Men), Yachting (Men & Women), Yoga (Men), Jodu (Men & Women), Baseball (Men & Women), Swimming (Men) and Kabbadi (Women)

K. P.U. COLLOQUIA SERIES

A new initiative of P.U. Colloquia has been commenced from the academic year 2012-2013. In the year 2013, the following public lectures were organized:

1. Speaker: Prof. R. K. Kohli, Dean University Instruction
Topic: "How to save the self from self-inflicted pollution"
Date: 23rd January, 2013
2. Speaker: Shri Sam Pitroda, Adviser to the PM
Topic: "The Need for Information Infrastructure and Innovation in 21st Century"
Date: 31 st January, 2013
3. Speaker: Shri Mohan Agashe
Topic: "Cinematic Diet for Health"
Date: 19th February, 2013
4. Speaker: Shri Ashok Thakur, Secretary Higher Education, Govt. of India
Topic: "Issues of Higher Education in India"
Date: 16th August, 2013
5. Speaker: Prof. B.S. Brar, Former Dean University Instruction
Topic: "De-theorizing Globalization"
Date: 5th September, 2013

6. Speaker: Prof. Parveen Chadha
Topic: "Plagiarism and its Control in Academic Domain"
Date: 7th November, 2013
7. Speaker: Prof. Virendra Kumar
Topic: "Citizen's Right to Vote"
Date: 11th December, 2013

Promotion of Research and Education

1. A Research Promotion Cell has been established.
2. MoUs have been signed with the Post-Graduate Institute of Medical Education and Research, CSIO, IMTECH, University of Western Australia, University of Salzburg, Austria; Oxford Brookes University and the ONGC.
3. The Department of Science & Technology, Government of India, has selected the Panjab University for the PURSE (Promotion of University Research and Scientific Excellence) award which includes a grant of Rs. 10 crore per annum for three years.

Other Initiatives

1. College-University interaction has been improved and Virtual Private Network facility has been started.
2. Controller based seamless Wi-Fi project for all hostels and the campus has been started.
3. All forms for the entrance tests have been made online from the year 2012. Students were also issued roll numbers online for the same.
4. Admission to Hons. School classes of campus and B.Com. classes of colleges of Chandigarh and Ludhiana was made online.
5. The following special facilities have been created for the students :
 - (i) Single Window facility and help-desk at the enquiry
 - (ii) Wi-Fi connectivity and photostat facility in all the hostels
 - (iii) Close circuit cameras at strategic locations
 - (iv) Process to enable students to pay examination fee online is on.
6. Health Services have been upgraded as follows :
 - (i) Well-equipped diagnostic Centre has been set up in the south campus in Sector 25.
 - (ii) Modern Immunisation Centre is being set up.
7. Security system on the campus has been revamped and security/patrolling near the Girls Hostels, especially during evening hours have been intensified.
8. Two additional seats for **the one girl child out of the only two girl children** for admission in each course in the Panjab University Teaching Departments and its affiliated Colleges have been allowed provided she is otherwise eligible from all angles.
9. One additional seat each for the student suffering from **Cancer patients, AIDS patients & Thalassemia patients** has been allowed for admission in each course in the Panjab University Teaching Department and its affiliated Colleges subject to the condition that the candidate seeking admission under this category is otherwise eligible.
10. Education is free for completely blind and orphan students.

A. C. JOSHI LIBRARY

A. C. Joshi Library, as the Panjab University Library is officially named after an illustrious former Vice-Chancellor Prof. A.C. Joshi, 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 DVDs 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, the 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 photocopying, fax, e-mail, Internet, On-line Public Access Catalogue (OPAC) multimedia, 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 provision of an Outer Reading Hall for studying personal books in the Library, round the clock.

There is provision of 24 research carrels for faculty members engaged in serious research work and 100 lockers for research scholars.

OPAC

The Library has in-house database of books, journals, theses and other reading materials. This database is accessible through card-catalogue, Online Public Access Catalogue (OPAC) and Web-OPAC which is accessible through Library website. (*library.puchd.ac.in*).

Digital Library

The Library has got a digital library which serves as an access point to all the academic resources mentioned above. 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 7.4 lakh volumes, which include books, bound volumes of journals, theses/dissertations, rare books, reports, government documents, back files of newspapers, CD-ROMs and a prized collection of 1492 manuscripts.

The Library is subscribing to 644 periodicals, a number of which are received on-line alongwith their print versions. The Library is also having access to about 5000 on-line journals through UGC's INFONET programme. These on-line journals can be accessed through Campus network. Besides, about 8,000 on-line journals and miscellaneous reference sources in the public domain are accessible through the Library Website—*library.puchd.ac.in* The Library subscribes to a number of e-resources including Science Direct, Scopus, West Law, IEEE, JoVW, J-Gate, Ebsco, Proquest, Dissertation & Thesis Abstracts, Times of India online, India-stay, District of India etc. with links on the website.

What is where

<i>Office/Division/Section/Cell</i>	<i>Location</i>	<i>Incharge/Contact Person</i>	<i>Telephone (EPABX)</i>
University Librarian	II Floor	Dr. Raj Kumar	4551, 2548159
Deputy Librarian (Readers Services/Collection Development)	III Floor	Dr. (Mrs.) Rashmi Yadav	4552
Deputy Librarian (Admn./Periodicals)	IV Floor	Ms. Navjeet Kaur	4554
Periodicals	III Floor	Mr. Neeraj Kumar Singh	4559
Reference Section	I Floor	Mrs. Neeru Bhatia	4561
Circulation Section	I Floor	Mrs. Arun Prabha	4558
Technical Section	I Floor	Dr. Jivesh Bansal	4564
Acquisition Section	III Floor	Ms. Sunaina Khanna	4556
Special Collection/Archival Section	Gr. Floor	Mr. Mritunjay Kumar	4579
Text-Book Section/Theses Section	Gr. Floor	Mrs. Leena Khullar	4579
Science Collection/Transfer Cell	III Floor	Mrs. Indu Dhawan	4562
Computer Room	II Floor	Mr. Vinod Garg	4578
Binding	Gr. Floor	Mr. Raghubir Singh	4557
Office Administration	IV Floor	Mrs. Poonam Chopra	4555

Timings

The Library is kept open from 8.00 a.m. to 10.00 p.m. on all days of the week throughout the year, barring three national holidays. However, the Outer Reading Hall is kept open all the 24 hours a day. Books are issued and returned from 9.00 a.m. to 4.30 p.m., Monday to Friday. However, readers 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 all 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.

Reader Services

Personalised 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.

The Library provides computer access facility for the visually impaired students, through JAWS & Zoomex softwares.

Wi-Fi System

Library is Wi-Fi enabled to access online journals and databases on the laptops.

Digital Signage System

The A.C. Joshi library has Digital Signage System to keep the readers aware 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.

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 recently initiated JCCC@UGC–INFONET programme.

RFID Technology

The Library has the latest RFID Technology alongwith new 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.

Digitization

The Library is in the process of digitizing its manuscript collection.

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 the book or article from a journal required by a researcher is not available in the Library, ILL requests can be registered with the Reference Section in the Library and the same is procured on Inter-library loan and is supplied to the user.

OTHER FACILITIES

Computer Centre

The Computer culture at Panjab University dates back to 1966. By now an independent department exists with facilities of super-computing, well-equipped Computer Lab., internet access and e-mail. Each university department has access to the central computing, with internet and e-mail facilities, which are being brought to the desktops. Panjab University is one of the six centres identified by the Department of Sciences and Technology, Government of India to have super-computing facilities.

Sophisticated Instrumentation Centre/UCIM

One of the most modern instrumentation centres in the country, this setup houses Regional Sophisticated Centre, University Science Instrumentation Centre, and Central Instrumentation Laboratory. The instruments in the Centre are for analytical, spectroscopic and structural studies. The facilities of the Centre are available to the researchers in academic institutions and the industry. These instruments facilitate quality control. Besides meeting the needs of individual scholars, the Centre provides consultancy services to nearly 300 organizations to promote interaction between Industry and Research Institutions.

Scholarships and Financial Assistance

Financial support is available to deserving and needy students on the Campus. A large number of scholarships of varying amounts, under the various schemes of Government of India and the state governments, and those instituted by private agencies and trusts are awarded every year. In addition, fee concessions, financial assistance, loans and other forms of support are also provided to the deserving and needy students by the University.

Foreign Students

A large number of foreign students from Asian and African countries have been studying at different levels at Panjab University. During 2013-2014 their number was nearly 391. Additional seats have been created for Non-Resident Indians in several disciplines. The Dean International Students looks after the welfare of the foreign students and also maintains liaison with the university authorities and outside agencies.

Counselling and Career Development

The students get counselling for further specialized training, admission tests and fellowships abroad, job opportunities and placement prospects. In some cases, the corporate sector and placement agencies send their selectors to the university campus for directly recruiting the meritorious students during the final year of professional courses. Counselling for personal problems, facilitating physical and emotional adjustment on the campus, is also available. Sometimes special workshops are organized to help students to learn more about themselves, their aptitude and abilities, and to enable them to overcome their limitations. Counselling and relevant information is provided by the Employment Information and Guidance Bureau and the University Information and Advisory Bureau.

Centre for IAS & Other Competitive Examinations

The Coaching for IAS and Other Competitive examinations admits students through an entrance test followed by interview. In the course of the coaching, students get exposure to specialized expertise available on the Campus. The UGC-NET examination is held in June/December every year and the Centre provides one month coaching for the examination. The Centre also provides coaching for PCS Judicial examination. A teacher co-ordinator and an honorary director look after the Coaching Centre.

Extension and General Awareness Programmes

The University reaches out to the wider public also through its Centres for Computer Science, Energy Research, Population Research and Life Long Learning & Extension. At the regional level it looks after total literacy programmes and publishes teaching-learning packages and training materials. The UNESCO Centre organizes programmes promoting international understanding, global peace, human rights, general health, and freedom from drug abuse. Through its inter-disciplinary programmes, the U.G.C. Academic Staff College offers Orientation and Refresher Courses for the College and University teachers. Some of these courses focus on vital issues like environment and gender relations. The office of the Dean of Alumni Relations maintains a link with the old graduates of Panjab University and provides a forum to them for exchange of ideas on academic, cultural and social issues of the day. The P.U. Extension Library

at Ludhiana meets the needs of the students, teachers and the general public in and around the city.

Publication Bureau

The University publishes text books, general books and works based on research. Established in 1948, its Publication Bureau has brought out over a hundred scholarly and general works and over 200 text books. Several of these have run into multiple editions and reprints. The Bureau holds periodic exhibitions of its publications. The University also has a modern printing press of its own.

Dean College Development Council

The developmental aspects of colleges affiliated to the university, such as the UGC grants, vocationalization, teachers' training and affiliation for new courses are taken care of by the Dean, College Development Council.

Public Relations Department

An important link with the public, government agencies, and the media, this Department provides the channel of communication also within the Campus-between the University authorities, the Teaching Departments and the students. The P.U. News, a quarterly of events on the Campus and the affiliated colleges, is brought out by this Department. The Director, Public Relations also assists in the media-coverage of seminars and special lectures and gives formal and informal counselling to students and general public.

Grievance Cell

Grievance Cell 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 cell 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.

Grievances-SC/ST

Committee has been constituted to expose the work of scholarships/stipends/freeship to all compound its the SC/ST students under various schemes.

Counselling Centre

To cater to the psychological needs of University students (on and off), a counselling centre has been created in the Department of Psychology.

Administrative office

The massive university secretariat housed in the five-storey Administrative Office has three well marked branches looking after General Administration, Examinations and Finance. In addition to the matters concerning the Faculty and students on the Campus, this office deals with over a hundred affiliated colleges and conducts various examinations.

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. Hostels 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 a large 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 seventeen multi-storey hostels on the Campus. Eight of these are for boys and nine for girls. There is one Working Women Hostel which is equipped with all modern facilities. **Hostel seats are limited and are provided purely on merit basis to the Campus students. Number of seats available is displayed on the University website well before the start of admission.** A Sports Hostel is also there for visiting sports teams. One more hostel for girls particularly Research Scholar and a Reading Hall for girls between Girls Hostel No. 4 & 5 is proposed to be constructed.

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

DEAN INTERNATIONAL STUDENTS

Prof. Gurmail Singh, Dean of International Students :

The Office of the Dean of International Students is located in the Students Centre (Ground Floor), Panjab University on the University Campus.

The Dean of International Students maintains close liaison with the Indian Council for Cultural Relations (ICCR) in regard to their Programs for the International Students. He also maintains liaison with

Dean of University Instruction, as well as Principals of Affiliated Colleges in Chandigarh in regard to the welfare of International students.

The office of the Dean of International Students helps International students in organizing their cultural functions/sports etc. The department organise various activities such as educational trips, Orientation-cum-Cultural Exposure Programme, English Soft Skills Workshop, Annual-cum-Farewell Function, various social functions etc.

The students requiring expenditure certificate or assistance with their remittances are advised to contact the office of the Dean of International students.

The Dean of International Students lays down guidelines for admission of International Students to all the Institutions affiliated to the Panjab University in Chandigarh and maintains record/particulars of each student.

The International students can approach this office for advice and assistance in finding suitable hostel or residential accommodation at Chandigarh for Govt. of India sponsored International students.

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 certificate. ***This certificate is issued by the Deputy Registrar (General) Panjab University, Chandigarh.***

The Registration fee for the International students is U.S. Dollars 440/- or its equivalent thereof. The International students admitted to various Panjab University Teaching Departments/ Local Affiliated Colleges are required to pay '**International Students Welfare Fee**' @ **Rs. 545/- per student per year (both old and New)**.

A large number of International students have been studying at different levels at Panjab University. During **2013-2014**, their number is **391** (**140** students in Panjab University & **251** in local affiliated colleges). Additional seats have been created for Non-Resident Indians in several disciplines. The Dean of International Students looks after the welfare of the international students and also maintains liaison with the university authorities and outside agencies.

Note :

1. *For further information, please e-mail at the address given as under :
dis@pu.ac.in*
2. *Our Telephone Nos. is as under :
0172-2541873 and 2534574*

Guidelines for Foreign Students seeking admission to Ph.D.

1. ***Eligibility Criteria for Admission :*** A candidate seeking admission to the Programme for Degree of Doctor of Philosophy (Ph.D) must have obtained Masters Degree or a degree recognized by the Panjab University as equivalent to its masters degree in the subject in which the candidate wishes to pursue a course of research, or in a subject allied thereto.
2. ***Admission to Ph.D. Programme :*** The candidate shall apply for admission to Ph.D. programme on a prescribed form, which may be downloaded/filled online from the Panjab University website <http://puhd.ac.in> The application for admission shall be submitted to the Office of the Dean International Students, Panjab University. In case of documents/testimonials in language other than English, the same must be translated into English and attested copies of the same need to be attached with the application. The application must be accompanied by research proposal of minimum one thousand

words clearly specifying their major area and sub-areas of the research topic on which candidates plan to pursue his/her research. The candidates are advised to consult faculty members and/or to check specialization of faculty members of the Department/Centre where they plan to pursue their Ph.D.

3. Foreign students shall be exempted from the entrance test for the admission to Ph.D. The application of foreign nationals/NRIs shall be accepted on the basis of their synopses submitted with the application form. If the synopsis is not found suitable by the Department/Centre concerned, the application shall be rejected.
4. In lieu of the entrance test, it would be mandatory for all foreign students from non-English speaking countries to pass English Proficiency Course being conducted by the Department of English & Cultural Studies at Panjab University, Chandigarh. Their enrolment to Ph.D. would be subject to satisfactory completion of Proficiency course.
5. **Fees :** A Fee of US \$ 1200 per annum shall be charged from foreign national who belong to developing countries. US \$ 2500 per annum shall be charged those scholar from developed countries.
6. **Visa :** Candidates selected for Ph.D. admission shall be issued provisional admission letters, with a copy to the embassy concerned, to facilitate their visa process. The enrolment would be finally based only on production of valid Research Visa.
7. **Course Work :** All foreign students admitted to the Ph.D. Programme shall have to complete the course work offered by the concerned Faculty/Department/Centre satisfactorily as per Panjab University rules. They will have to join the course work in the semester that follows the completion of their admission formalities.
8. Other rules and regulations of Panjab University will apply to foreign students as well.
9. **Admission Schedule :**

Receipt of online applications	:	1st January to 31st March
Processing of applications	:	1st April to 31st April
Issue of the offer letter by the office of DIS, PU	:	Up to 31st May
Issue of the letter of Admission	:	On reporting to the DIS, PU and on the production of original and valid documents and research visa.

Guidelines for Foreign Nationals/NRI Students seeking admission to Post Graduate/Undergraduate Courses

Following are the common Rules of the Panjab University for Foreign Nationals/NRI candidates :

1. Candidates seeking admission under the Foreign Nationals/NRI Students category are required to submit their academic certificates as a proof of passing the qualifying examination for each course to which admission is to be sought. The minimum qualification for them would be same as per Indian Students.
2. **10 percent seats over and above the total number of regular seats in each course are reserved for the Foreign Nationals/NRI candidates.**
3. **Foreign Nationals/NRI candidates seeking admission to the concerned course are required to compete amongst themselves for the seats reserved for them by appearing in the time of entrance test (wherever applicable) if they are in India. However those living abroad at the time of entrance test will be exempted from the entrance test.**

4. Foreign Nationals/NRI candidates shall have to comply with any other requirements prescribed by the Government of India and Panjab University from time to time.
5. The candidates seeking admission to B.P.Ed. and M.P.Ed. (Physical Education) will be required to undergo mandatory Physical Efficiency Test. The scores of Physical Efficiency Test will be counted for determining merit.
6. Foreign Nationals/NRI candidates shall provide the academic certificate of passing the qualifying or equivalent examination as prescribed for each course to which admission is to be sought.
7. **Fee :** (A) Tuition Fee structure for Foreign Nationals/PIO/NRI candidates admitted against the seats created for them in teaching Departments will be as per as Fee structure prescribed by the Panjab University for Foreign Nationals/PIO/NRI candidates. (B) Besides tuition fee, all Foreign Nationals/PIO/NRI candidates are required to pay one time registration fee as prescribed by the Panjab University.
8. **Visa :** Candidates provisionally selected for Post Graduate/Undergraduate admission shall be issued provisional admission letters to facilitate their visa process. The final admission would be based only on production of passport and student Visa.
9. Other rules and regulations of Panjab University will apply to foreign students as well.
10. **Admission Schedule :** as per Panjab University admission schedule.

Only the following categories or classes of persons will be eligible for admission against the NRI quota and all admissions must be made accordingly :-

- I. Foreign nationals i.e. nationals or citizens of countries other than India who are not persons of Indian origin.
- II. Persons of Indian origin who are citizens of countries other than India and hold the passport of the country concerned.
- III. Children, i.e. sons and daughters of persons of Indian origin (who may, or may not, be citizens of countries other than India), provided they have resided in a country other than India for a minimum period of three years immediately preceding the year of admission in the University.

Explanation : The aforesaid condition of residence for a minimum period of three years in a country other than India means actual, physical residence on a regular basis. Notional, deemed or constructive residence of any kind shall not be considered for this purpose. Accordingly, possession of a Green Card will ipso facto not confer eligibility or entitlement for admission.

DIRECTORATE OF SPORTS

The faculty members of this Directorate are :-

- | | | |
|---------------------|---|---|
| Dr. Dalwinder Singh | : | University Director of Physical Education |
| Dr. Dolly | : | Deputy Director of Physical Education |
| Dr. Rakesh Malik | : | Asstt. Director of Physical Education |

The Directorate of Sports, Panjab University was set up in the year 1948. There are 200 men, women, co-educational & Educational College affiliated to the University. Panjab University Sports Committee has been formed to guide, frame policy and co-ordinate the sports activities. In order to encourage sports activities of the rural and small colleges, the Directorate has divided the affiliated

colleges into 'A', 'B' and 'C' Divisions, according to the strength of students so that the balance be maintained between rural and urban colleges. Directorate of Sports functions under the overall control and supervision of **University Director of Physical Education.**

The Directorate of Sports is located in the Panjab University **Jawahar Lal Nehru Complex Building (Gymnasium Hall).** This complex has a magnificent air conditioned gymnasium hall for in-door games with international standard facilities and equipment for badminton, table-tennis, kabaddi(NS), weight lifting, judo and wrestling & 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 is also available in the university campus which is used for all the swimming competitions held in this city. Construction of an all weather Swimming Pool is also in progress.

Directorate of Sports has its own 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.

Construction of 10 M. Indoor Shooting Range of International standard has also been completed and this Directorate has also conducted All India Inter University Shooting Championship in the month of February, 2014 in the newly constructed Shooting Range very successfully.

Construction work of Hockey Astro Turf ground is also going on and the same will be completed very soon.

AIM : Excellence in Sports

The main objective of the Directorate of Sports is to foster sportsman spirit inculcating sense of discipline, co-operation, social harmony, integrity and fitness among the players. Directorate of Sports feels concerned about the health and fitness of Panjab University employees also and organizes a physical fitness festival for them every year. Employees participate in games like football, volleyball, table-tennis, badminton, cricket, tug of war and athletics. The participation of the University employees is always encouraging. It has proved to be a very useful scheme for the university employees.

The latest and modern equipments for all the games are available for the use of the University players. **The Directorate of Sports organized about 104 Inter College and six Inter University competitions in various games this year. The Directorate of sports fielded 75 teams both for men and women 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 other incentives. Merit scholarships are also awarded to such persons. Players of all the teams representing P.U. Campus in the inter-college competitions are given uniforms (free of cost) & refreshments during coaching camp to encourage more participation in the sports competitions.

5% seats are reserved for sportspersons in 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.

Infrastructural and other Facilities in the Directorate of Sports

Directorate of Sports functions under the overall supervision of University Director of Physical Education. The Directorate has the following spacious and lush green playgrounds within the University Campus:-

1. 400 meters grassy athletic track (8 lanes)
2. Two Basketball cemented courts of International standard (with flood lights)
3. Four Volleyball Courts
4. One Hockey ground
5. Two Football grounds
6. Two Handball Courts
7. Two Kho-Kho Courts
8. Two Kabaddi Courts
9. Three Softball grounds
10. Two Cricket grounds
11. One Netball ground
12. One Korfball ground
13. i) Two Synthetic Lawn Tennis Courts
ii) Eight Grassy Lawn Tennis Courts
iii) One Cinder Lawn Tennis Court
14. Swimming Pool
15. 10 M. Shooting Range (Centrally A.C.)

The outstanding sports persons 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.

The main objective of the Directorate of Sports is to foster sportsmen spirit, discipline, co-operation, honesty, integrity and fitness among the players.

INTER UNIVERSITY TOURNAMENTS

It is a matter of great pleasure that Panjab University Sports teams have given excellent performances in the Inter University Championships for the session 2013-14. This year Panjab University won 1st, 2nd, 3rd and 4th positions in the following games.

MEN TEAMS

POSITIONS SECURED IN ALL INDIA INTER UNIVERSITY TOURNAMENTS 2013-14

1. Swimming	Winner (Four Gold Medals, Four Silver Medals & Two Bronze Medals)	7. Air Pistol Shooting	Runners-up (Two Gold Medals, One Silver Medal & One Bronze Medal)
2. Baseball	Winner	8. Basketball	Runners-up
3. Boxing	Winner (Three Gold Medals & Three Bronze Medals)	9. Badminton	Runners-up
4. Rowing	Winner (One Gold Medal & Three Silver Medals)	10. Handball	Runners-up
5. Archery	Runners-up (Four Gold Medals & Seven Silver Medals)	11. Softball	Third
6. Judo	Runners-up (One Gold Medal, Three Silver Medals & One Bronze Medal)	12. Squash	Third
		13. Kayaking	One Silver Medal & One Bronze Medal
		14. Athletics	Three Bronze Medals
		15. Gymnastics	One Bronze Medal & One 4th position
		16. Wrestling	One Bronze Medal

POSITIONS SECURED IN NORTH ZONE INTER UNIVERSITY TOURNAMENTS 2013-14

1.	Basketball	Winner	4.	Volleyball	Third
2.	Badminton	Winner	5.	Handball	Fourth
3.	Chess	Runners-up			

WOMEN TEAMS

POSITIONS SECURED IN ALL INDIA INTER UNIVERSITY TOURNAMENTS 2013-14

1.	Baseball	Winner	6.	Fencing	Third
2.	Kabaddi	Winner			(Two Bronze Medals)
3.	Softball	Runners-up	7.	Taekwondo	One Silver Medal & One Bronze Medal
4.	Archery	Runners-up	8.	Judo	Three Bronze Medals
		(One Gold Medal, Seven Silver Medals & Four Bronze Medals)	9.	Boxing	Two Bronze Medals
5.	Air Pistol Shooting	Runners-up	10.	Rowing	Two Bronze Medals
		One Gold Medal & One Silver Medal)	11.	Swimming	Two Bronze Medals
			12.	Rhythmic Gymnastics	One Bronze Medal

POSITIONS SECURED IN NORTH ZONE INTER UNIVERSITY TOURNAMENTS 2013-14

1.	Kho-Kho	Runners-up	4.	Tennis	Third
2.	Table-Tennis	Runners-up	5.	Basketball	Fourth
3.	Kabaddi	Third			

TENTATIVE SCHEDULE OF CAMPUS SPORTS ACTIVITIES 2014-15

July 2014	Admissions of sports quota students	15th to 18th July, 2014
August 2014	Physical Fitness Activity of Sports quota students	01.08.2014 onwards to as per the University Academic Calendar
	Inter Deptt. and Inter Hostel Badminton	19.08.2014 to 20.08.2014
	Inter Deptt. and Inter Hostel Table-Tennis	19.08.2014 to 20.08.2014
	Inter Deptt. and Inter Hostel Swimming	22.08.2014
	Inter College Competition	According to PUSC Calendar
Sept. 2014	Inter College Competition	According to PUSC Calendar
Nov. 2014	Inter College Competition	According to PUSC Calendar
Dec. 2014	Inter College Competition	According to PUSC Calendar
Jan. 2015	Inter Hostel Volloeyball	13.01.2015 to 14.01.2015
	Inter Hostel Football	15.01.2015 to 16.01.2015
	Inter Hostel Cricket	19.01.2015 to 23.01.2015
	Inter Hostel Hockey	27.01.2015 to 28.01.2015
	Inter Hostel Tug of War	28.01.2015
	Inter Hostel Basketball	30.01.2015 to 31.01.2015
	Inter College Copmpetition	According to PUSC Calendar
Feb. 2015	Inter Deptt. Cricket	02.02.2015 to 11.02.2015
	Annual Athletic Campus Meet	2nd week of March, 2015
	Inter College Competition	According to PUSC Calendar
March, 2015	Annual Sports Prize Distribution Function	3rd week of March, 2015.

GUIDELINES FOR SPECIAL INCENTIVES

Special Incentives for the outstanding sports persons who are studying in P.U. Campus, Chandigarh.

Aim:- To motivate the outstanding P.U.Campus, sports persons to improve their sports performance.

Conditions:-

- a) Special incentives scheme for the outstanding campus sports persons during their study in campus, brought laurel to the 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 calculations of marks awarded to each university for those purpose of awarding MAKATROPHY.
- b) Special incentives scheme subject to the submission of affidavit by the sports persons that he/she will represent the Panjab University team/State team in the Inter-University competition/National Championships/National Games in the games for which special incentives is claimed.
- c) The Special incentives schemes will be applicable to only those Sportspersons 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 Inter University competition/National Championships/ National Games in the game for which special incentives scheme was claimed.
- d) The special incentives will be awarded only after the submission of concerned Sports Certificate/s with an affidavit of their performance and the accreditation of the concerned certificate and issuing authority by international Olympics Committee/Indian Olympic Association.
- e) The period of achievements will be counted from 1st July to 30th June every year.
- f) The incentives will be given to only those applicant who will submit the attested copy of their achievement certificate/s in the office of the Directorate of Sports, Panjab University, Chandigarh before 30th June every year.

Scheme No. (I) International Level Achievement

A person getting any of the first three positions or represented India in the Olympic Games/World Cups/ World Championship/Commonwealth Games/ International Athletic Permit Meet/ Asian Games are eligible for the incentives mentioned in incentives scheme(I) given below:-

Incentives Scheme (I):-

1. Free education (exemption from tuition fee and all other fee/charges except examination fees).
2. Free hostel and special seats should be reserved in hostels for above mentioned category of sports persons (No hostel fee and all other charges except mess and canteen charges).
3. Free Swimming Pool and Gym facility

Scheme No. (II) International Level Achievement

A person getting any of the first three positions or represented India in the Asian Cups/ Asian Championships/ S.A.G. Games/ Davis Cup/Grand Slam in Tennis /Thomas Cup/Uber Cup/ All England

Badminton tournament/ Official Test match and one day International Cricket Matches conducted by ICC (International Cricket Council) are eligible for the incentives mentioned in the incentives scheme (II) given below:-

Incentives Schemes (II)

1. Free education (exemption from tuition fee only).
2. Free hostel and special seats should be reserved in hostels for above mentioned category of sports persons (No room rent of hostel will be charged).
3. Free Swimming Pool and Gym facility.

Scheme No. (III) All India Inter University/ Sr. National/ National Games Level Achievement

A person getting any of the first three position in the National Games/Senior National/ All India Inter University level championships.

Incentive Scheme (III):-

1. Free education (exemption from tuition fee only).
2. Special seats should be reserved in hostels for above mentioned category of sports persons.
3. Free Swimming Pool and Gym facility.

BHAI GHANAIIYA JI INSTITUTE OF HEALTH

‘Bhai Ghanaiya Ji Institute of Health’ has undergone an extensive and elaborate expansion in its health facilities for its employees including retirees, their dependent children, parents and all students both day scholars, evening students and hostel inmates of this University. The existing infrastructure has been thoroughly updated with the high-tech latest equipments in the field of Radiology, clinical laboratory and ECG etc. A new Emergency and Clinical laboratory wings have been created with latest flooring, shelves, and wall to wall tiles and with complete replacement of electricity wiring and switches etc. A record number of decades old fans have been replaced by latest thirty three energy efficient fans and three new Aqua Guard Water Purifying systems donated by SBI Chandigarh have been put to use for supply of pure drinkable water. All old dilapidated washrooms have been refurnished with tiles and latest sanitary wares for bacteria-free clean environment. A washroom has been specifically done up for the differently-able. With aluminum and wooden partitions the office has been automated resulting in best space use. Five new patient friendly doctors’ chambers have been constructed in one place to be put to use for different specialists. For patients’ comfort, all facilities are nearly fully air-conditioned.

Presently, BGJ Institute of Health is manned by Chief Medical Officer(one), Additional Chief Medical officer(one),Ex-Additional Chief Medical Officer-(one), re-employed (on contract)

Visiting consultant (One) Full time Medical Officers on contract basis (three) Part-time specialists- Gynecologist (one), Radiologist (one), Medical Specialist (one) and Yoga Instructor (one)

The supporting staff consists of chief pharmacist (one), pharmacists (five), sister nurse (One), multipurpose workers (female three), dressers (two), ward boys (one), medical attendants (five) laboratory technicians (three) cleaners (regular and contractual five). Besides, the office is manned by Senior Assistant (One) and clerk on contract (one).

They are serving the strong community of about 40,000(forty thousand) consisting of students, teachers, non- teaching employees (both serving and retired) along with their dependents and the daily

wagers, mess-workers, (on contract) employees, university delegates, guests, visiting dignitaries etc. The number of patients visiting Health Centre is 300 to 350 per day on an average

Regular scheduled hours : **Morning shift-** 08.30 A.M. to 12.30 P.M. (Monday to Friday)

09.00 A.M. to 11.00 A.M. (Saturdays)

Evening shift: 05.00 PM to 06.00 PM (Monday to Friday)

Emergency services :

12.30 P.M. to 05.30 P.M. (Monday to Friday at BGJIH Premises)

05.30 P.M. to 10.00 P.M. (Monday to Friday at BGJIH Premises)

10.00 P.M. to 08.30 A.M. next day (On Call at the residence of the duty doctor)

Ambulance :

Fully equipped 24hours ambulance service is available to all the patients

This service is free to students and class C (employees and their dependents).

Medicines :

- On the basis of their medical Entitlement cards, all the employees both teaching and non teaching and their dependents and students on the basis of their identity cards are provided in stock medicines.
- All the purchases of drugs are made directly from the pharmaceutical firms/ Companies that are on the approved list of PGIMER, Chandigarh. With this arrangement we are able to save about 50% on an average on the cost of medicines. Medicines worth more than Rs.30,00,000/- are purchased for the patients by the Institute of Health every year.
- About 30 chemist shops/ drug stores in the tri-city are offering a discount of 10% on branded medicines and 30% on generic medicines. This results in an approximate savings of about Rs 10, 00000/-. The remaining chemist shops have also starting offering discount to University patients.

Medical Entitlement Booklets :

- Started from 1st May 2010, the process of issuing new and revalidating Institute of Health medical entitlement cards to employees and their dependent is complete. A total of 11,380 cards have already been issued. This process has resulted in weeding out a large number of cards of non entitled persons.
- Dependent children, Parents, spouse of women employees have also been extended free medical entitlement facilities including OPD consultation, in-house available medicines, clinical investigations and Medical Reimbursement at the Institute of Health from now onwards at par with their male colleagues.

Chronic Diseases and their drugs distribution :

A special drug dispensing area is earmarked for patients of chronic ailments like Hypertension, Heart diseases, Diabetes, Epilepsy and Asthma and COPDs for getting their monthly medicines.

Revised National Tuberculosis control Programme (RNTCP) :

The Institute of Health is an approved designated centre under Govt. of India RNTCP. All the Tuberculosis patients are provided monthly anti-tuberculosis medicines from our pharmacy *free of cost.*

Vector & water borne diseases surveillance centre :

With the collaboration of Chandigarh Administration, department of Health vector borne diseases wing, the BGJ Institute of Health is running a complete surveillance unit of malaria and other mosquito borne diseases. Regular sprays and other preventive measures against malaria and other malarial diseases are undertaken on a regular basis. All the cases of malaria positive patients are notified to the concerned higher health authority of 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 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 monitoring. The staff of Institute of Health has been immunized against various preventable serious infectious diseases.

Special Provision for Senior Citizens :

For the convenience of the superannuated employees of the University, special provision is made to facilitate their registration and out of turn consultation by the doctors in order to provide them medical assistance within minimum possible time frame.

Diagnostic Services :

- **X-ray facility** has been augmented with the installation of 500mA digitalized version of X-ray machine (Siemens) with a mammographic compatible unit and with a CR system (Fuji). This equipment was purchased for an amount of Rs 26,25,000/-(twenty six lacks and twenty five thousands)
- There is a *well equipped Clinical Laboratory* for all the routine tests in hematology, serology, biochemistry and microbiology etc. Sample collection for investigations to be carried out in the laboratory of PU Dental College and Hospital are also done here. A Semi-Automatic Analyzer for the performance of various laboratory investigations has been purchased at a cost of Rs 1,35,000
- New *12 channels Schaller ECG machine* worth Rs 1,28,000/- has been made functional in a separate ECG room. Along with this, a newly purchased fully equipped (medicines, injections, oxygen cylinders) Dunlop padded patient couch with foot rest has been put into use for patients' benefit.
- **Ultra-Sonographic** machine has been installed shortly. Necessary approval from the concerned departments for starting of an ultrasound centre has been got done and all formalities in this regard has been completed.
- **Emergency and Injection Room** is equipped with Nebulizers, oxygen, a high tech emergency cabinet with all emergency drugs and injections.

Yoga Classes :

Yoga classes are being conducted under the supervision of a trained Yoga- Instructor in the evening from 05.00 PM to 06.00 PM (BGJ Institute of Health Sector 14), 06.00 PM to 07.00 PM (Community Centre, Sector 25) from Monday to Friday.

Special Health awareness Lectures, Seminars and Workshops :

Special lectures by experts in various health related fields are periodically arranged for spreading awareness on health issues like Body Mass Index, Bone Density Measurement, Diabetic neuropathy, Pulmonary function tests and Road safety, Smoking hazards, Alcohol abuse, World Asthma Day, World Hypertension Day, World Hepatitis Day.

Medical camps :

Medical camps are organized on Spirometry, Bone Mineral Density, Thyroid Function Tests, Diabetes detection camps and Hypertension in association with Pharma companies for the benefit of University community. This year 388 patients were examined for Bone densitometry. HBA 1c test were performed free of cost.

- **Three HBAIC** camps were organized with the help of Sun-Pharma, for the benefit of diabetic patients. A total of fifty one patients examined during this camp.
- Two *Spirometry* checks up camps were organized with the help of Glaxosmithcline and Glen pharma for the benefit of asthmatic and respiratory disorder patients. A total of twenty patients examined during these camps.
- One *diabetic neuropathy* camps was organized with the help of Cipla Organic for the benefit of diabetic patients. A total of 33 patients were examined during this camp.
- Five BMD camps were organized with the help of Dr. Reddy and Mayor Organic Pharma. A total of 526 patients were examined during these camps.
- All the above camps were organized with no cost to beneficiaries.
- *Thyroid function tests* are performed on each Friday on highly subsidized rates.

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. One 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.

Hospitals on panel :

MOU has been signed with reputed hospitals (i.e. Max, Alchemist, Ace (Prime), Surya Kidney Centre, J.P. Eye, Grewal Grover, Drishti hospital) initially for treatment of P.U. employees and their dependents at concessional rates commensurating with PGI, Chd and AIIMS, New Delhi Medical reimbursement rates. Concesssion in consultation, investigations and day care charges and fixed packages of different procedures have been implemented.

Centralized Computerization :

All the patient related records like OPD reimbursement, purchase and distribution of medicines and other health facilities, diagnostic facilities and office records are in the process of centralized computerization. Three new computers have already been installed for this purpose.

Back -Up electricity facility :

During the period of non- availability of electricity, back up facility is being established by providing no maintenance battery inverters for Rs 90,000/-. This will result in smooth functioning of diagnostic OPD and emergency services during no electricity. This will be in addition to one inverter already functioning in emergency room.

Academic and social activities :

The medical doctors of the Institute of Health are regularly engaged as guest/honorary faculty for teaching of subjects of medicine, surgery, sports medicines and exercise physiology in the departments of HSJ Institute of Dental Sciences and department of physical education. The medical doctors regularly participate in continuing medical education programmes throughout the year for updating medical knowledge with latest happenings in the medical field. They also deliver lectures in various national conferences/ academic staff college/depts. on medical issues.

Construction of new facilities & renovation :

All the wash rooms of the institute has been thoroughly renovated with newly laid floor and wall tiles and all the sanitary fixtures have been installed there. A separate wash room for the differently-abled has been constructed at an approachable location. The dressing room is being completely modernized as per the world –class sterilization standards. All other old fixtures like doors/ windows etc have been replaced with newer rust and termite free aluminum materials. The modular office and OPD chambers are in the process of complete overhauling with the latest gadgets. New furniture for the comfort of the patients and staff has been purchased for RS 2, 00,000/ and is already being used.

24x7 TV :

A colour LCD television with Dish is functioning in the patients' waiting area 24x7 for telecast of various health related programmes of different TV channels including Delhi Door Darshan.

Newspapers and Magazines :-

Newspapers and magazines both in English and Hindi are being made available in the patients waiting areas. With the passage of time, newspapers and magazines etc will be made available in the other languages also. This has been possible because of donations from some nice souls.

New facilities and additions in the 2014

1. Medical gadgets and equipments is being purchased for Rupees 10 lacs.
2. For senior citizens 'Rest Room cum Dining Room' equipped with library is now functional.
3. For storing medicines at desirable room temperature and cool environment away from sunlight, the pharmacy storage has been fully renovated
4. A Dietician and nutritionist is available on 3rd Friday of every month
5. A camp through Women Mobile Outreach Programme was organized on 4th Feb 2014 and 22nd Feb, 2014 for screening of breast cancer, cervical cancer and osteoporosis by mammography, digital colposcopy and DEXA scan.
6. Establishment of Counseling and Testing Centre for HIV/AIDS is under process in collaboration with States AIDS Control Society Chandigarh.

FEE STRUCTURE

Please visit the University website www.puchd.ac.in for detailed fee structure in respect of various courses run by the University teaching Departments/Centres/Institutes for the academic session 2014-2015.

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 and refund application must reach the ARA-II office by **15th December from Department/Institution.**

Refund forms will be available on the P.U. Website (www.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 Foreign/PIO/NRI Category

1. In case, the candidate is admitted in the Foreign/PIO/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 Asstt. Registrar Accounts-II. That the time period for applying refund of fee by the students be fixed up to **30th November** and refund application must reach the office of ARA-II by **15th December** from Department/Institution. 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/PIO/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 counsellings of Foreign/PIO/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/PIO/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/PIO/Foreign student is filled by the another same category.*
- (ii) *In case the seat vacated by NRI/PIO/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) However no carry forward/adjustment of fee shall be allowed in the subsequent session/class/year if the duration of the course is more than one year. No refund of fee shall be allowed after the expiry of the said 15 days' period.

(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 Foreign/PIO/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 instalments 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 instalments 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 instalment through someone. The names of such students who will not deposit 2nd instalment of tuition and other fees shall be struck off the rolls of the Deptt. 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 instalment can seek re-admission through the Chairperson of the Deptt. concerned within one month from the date of their names are struck off and they shall be required to pay their dues alongwith prescribed fee with the University. They will be allowed to attend the classes only on production of original receipts to the Deptt.

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 alongwith 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 Deptt., 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 youngers to pay half the tuition fees.
- (c) Scheduled Castes students belonging to Punjab, Haryana and Himachal Pradesh will be paid their Scholarships, alongwith 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) For deserving and needy students, financial assistance is available from Students Aid Fund maintained by the University. The annual family income from all sources duly signed and stamped by the Executive Magistrate, giving full details of total family income. Candidates holding yellow card/yellow ration card would be given preference.
- (e) Some financial aid is also available for deserving students from “Panjab University Students’ Aid Society” which is a voluntary organisation.
- (f) (i) Blind students who join a regular degree/Post-graduate degree courses at the P.U. would be allowed exemption from payment of tuition fee & would be provided free accommodation in the University Hostels. [Approved vide Syndicate Para (iv) meeting held on 19.8.96].
- (ii) The free education to the completely blind student belonging to below poverty line, as described by the relevant Government notification/s, in any course in the University and its affiliated Colleges, Subject to the student being otherwise eligible and on merit, but the candidate has to submit an affidavit to this effect issued by the competent authority. Even the free hostel accommodation may also be considered, if required by the student, but he will have to pay the mess charges, which are already subsidized. A limited number of course books (one per paper) may also be considered which would be returnable after the completion of the course.

(Vide Syndicate Para-I dated 18-4-2009).
- (g) 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].
- (h) 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)

(i) 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., PGD.C.A., M.F.C. and P.G. Diploma in Mass Communication | USOL |
| 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’.

Guidelines for freeship and tuition fee concession :

1. 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.
2. Freeship would mean (tuition fee+Lab. charges) concession only, not to be claimed by students as a matter of right.

3. At the first instance, the concerned Board of Control/Coordinator shall fill all the sanctioned seats by following the normal admission procedure.
4. The concerned Board of Control/Co-ordinators shall list out the candidates who are eligible for freeship concession.
5. 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. One lac per year. For proof of family income from all sources should not exceed Rs. One 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.
6. 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.
7. 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.
8. 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.
9. 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.

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 75%.
8. Family income of student does not exceed Rs. 1,50,000/- p.a.
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 1,50,000/- 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.

Note : That the time period for applying refund of fee by the students be fixed up to 30th November and refund application alongwith requisite document must reach the ARA-II office by the **15th December from the Department/Institution.**

Amendments/modifications in the income slab for STUDENT AID FUND :-

The following recommendations of the Sub-Committee of **Student Aid Fund** dated 14-08-2012 constituted by the Dean University Instructions to review the income slab as per the present society status to do some amendment/modification in the rules printed in P.U. Calendar, Volume III, 2009 at pages 298-299 that :-

Slab of Annual Family Income from all sources of

All Teaching Departments	(i) Up to 1,00,000/- (ii) 1,00,001 to 2,50,000/-	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 10 (Revised) dt. 16-03-2013)

PANJAB UNIVERSITY, CHANDIGARH

APPLICATION FOR REFUND OF (i) LIBRARY SECURITY (ii) TUITION FEE/EXCESS FEE

(i) **The time limit for claiming Security is six months.**

(ii) **[The time limit for the claim for Tuition Fee 30th November (as the case may be)]**

To

The Registrar,
Panjab University,
Chandigarh.

Dear Sir,

Kindly refund the sum of Rs..... (Rupees.....only) paid by me to your office, as per particulars given below :

1. Name of the student (in block letters).....
2. Father's name.....
3. Name of the Department.....
4. Class..... Roll No.....
5. Nature of refund claimed.....
6. Reasons for claiming refund.....
7. Date of joining the Department..... (year in which you sought the Admission for the 1st time)
8. Date of leaving the Department.....
9. I willingly donate the sum of Rs..... (.....) deposited by me as Library Security/Fee, to a fund, for building an Auditorium in the University.

.....
Name & Signature of the donor.

Counter Signature
Chairman/Head of the Deptt.

Yours faithfully,

Dated.....

(Signature of the student)

Address at which the
Cheque is to be sent

TO BE FILLED IN BY THE HEAD OF THE DEPARTMENT

Endorsement No..... Dated

Forwarded to the Registrar, Panjab University, Chandigarh, with the remarks :

- (1) That the above particulars have been verified and found correct.
- (2) That the student has returned all the books and apparatus to the Department and nothing is due from him/her.
- (3) That he/she did not overstay in the department in connection with the completion of his/her research work (this is applicable in the case of M.Sc./M.Pharm. students only).
- (4) That the student owes nothing to the Panjab University as he was not a member of the Library. The clearance certificate from the Librarian is given below.
It is further certified that student has worked as a Student Demonstrator, with effect from....., to 31st March.
- (5) That the claim has been made within the time limit.
- (6) Total fee deposited by the candidate Rs.....Receipt No.Dated.....
- (7) Date of admission of the candidate on.....
- (8) Date of left the Deptt. of the candidate on.....
- (9) Reason of left the Deptt.....
- (10) Date from the class started.....

Head of the Department

Certified that Mr./Miss/Mrs.....Roll No.....
Class.....Deptt.....Session.....has returned all the books and nothing is due from him/her.

Librarian

**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 Scholarships be revised, as under, to cope up the amount os Scholarship/lectures/cash prizes on account of Special Endowment Trust (SET) Fund :

Existing amount of donation	Revised amount of donation
<p>(i) Medal</p> <p>Rs. 25,000/- (Twenty five thousand) OR U.S.\$ 10,000/- (Ten thousand) OR Pound Sterling 5000/- (Five thousand)</p>	<p>(i) Medal</p> <p>- Rs. 1,00,000/- (One lac) OR U.S.\$ 3,000/- (Three thousand) OR Pound 2000/- (Two thousand)</p>
<p>(ii) Scholarship(s)</p> <p>Rs. 1,00,000/- (One lac) OR U.S.\$ 15,000/- (Fifteen thousand) OR Pound Sterling 7500/- (Seven thousand five hundred)</p>	<p>(ii) Scholarship(s)</p> <p>- Rs. 4,00,000/- (Four lacs) OR U.S.\$ 10,000/- (Ten thousand) Pound 6500/- (Six thousand five hundred)</p>
<p>(iii) Lecture</p> <p>Rs. 80,000/- (Eighty thousand)</p>	<p>(iii) Lecture</p> <p>Rs. 4,00,000/- (Four lacs) OR U.S.\$ 10,000/- (Ten thousand) OR Pound 6500/- (Six thousand five hundred)</p>
	<p>(iv) Cash Prizes</p> <p>Rs. 1,00,000/- (One lac) OR U.S.\$ 3000/- (Three thousand) OR Pound 2000/- (Two thousand)</p>

(Syndicate Para 18, dt. 31-8-2010)

***Scholarships/Stipends admissible to the Campus Students
out of Special Endowment Trust Funds***

Name of the Scholarship out of Special Endowment Trust Funds	Value of Scholarship	Number of Scholarships	Descriptions of Scholarship
1. S. Shiv Charan Singh Scholarship	Rs.150 p.m. (for 10 months)	1	On Need-cum-Merit basis for a poor Student of Physics (Hons. School)
2. Sh. Milkhi Ram Sharma Memorial Scholarship	Rs. 250 p.m. (for 10 months)	1	To a student of M.A./M.Sc. resident of Una Distt. Himachal Pradesh on merit basis.
3. Bishan Chand Mahajan Scholarship	Rs.150 p.m. (for 10 months)	1	To a student on Poverty-cum-Merit basis on the recommendation of the Chairperson of the Deptt. of Laws.
4. Dr. S.R. Ranganathan Scholarship	Rs.100 p.m. (for 10 months)	1	To a deserving student of the Bachelor of Library & Inf. Science.
5. Wing Commander S.L. Malhotra Scholarship	Rs. 200 p.m. (for 10 months)	1	To a deserving student who joins the M.Sc. (Hons. School) in Physics on Merit-cum-Means basis.
6. I.I. CH.E. Scholarships	Ist year Rs.1000 p.a. IInd Year Rs.1100 p.a. IIIrd year Rs.1200 p.a. IVth year Rs.1300 p.a.	4	To be awarded to one student of each under-graduate class of the Chem. Engg. & Tech. Deptt.
7. Dr. & Mrs. V.S. Puri Scholarship	Rs. 200 p.m. (for 10 months)	1	To a student studying in any Teaching Deptt. on Merit-cum-Means basis.
8. Dr. Ramji Narain Omvati Scholarship	Rs. 300 p.m. (for 10 months)	1	To be awarded to a final year student of Master in Bio-Chemistry on Merit-cum-Need basis.

Name of the Scholarship out of Special Endowment Trust Funds	Value of Scholarship	Number of Scholarships	Descriptions of Scholarship
9. Mai Partap Kaur Scholarship	Rs. 200 p.m. (for 10 months)	1	On Merit-cum-Means basis to a student of Chem. Engg. & Tech. Deptt. hailing from rural areas of Punjab State (Preferably).
10. Tara Chand Gupta Memorial Scholarship	Rs. 400 p.m. (for 10 months)	1	Merit-cum-Means basis in the Deptt. of Mass Communication.
11. Prof. B.R. Puri Scholarship	Rs. 300 p.m. (for 10 months)	1	To be awarded to a student standing first in the B.Sc. (Hons. School) in Chemistry for pursuing studies in M.Sc. (Hons. School) (Physical Chemistry).
12. Dewan Som Nath Stipends	Rs. 400 p.m. (for 10 months) (each)	25	On Merit-cum-Means basis.
13. P.U. Soldier's Relief Fund Stipends	Rs. 400 p.m. (for 10 months) (each)	2	To 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.
14. Sh. Charu Dev Shastri Endowment Fund	Rs. 300 p.m. (for 10 months) (each)	2	For standing Ist and 2nd in the subject of Sanskrit Stipends in the B.A. and wishing to do M.A. in Sanskrit.
15. Guraditta Mal Shiv Ram Fellowship in Bryology	Rs. 500 p.m. (for 36 months)	1	In the discipline of Bryology for 36-42 months for Ph.D. Degree in the Deptt. of Botany.
16. Lachmi Durga Scholarship	Rs. 300 p.m. (for 10 months)	1	To a girl student of M.Phil. class in Bryology, Deptt. of Botany.
17. Smt. Balwant Kaur & Sh. Dhanpat Roy Behl Scholarship	Rs. 1500 p.a. (fixed)	1	To a meritorious and deserving Post-graduate student of the Deptt. of Mathematics

Name of the Scholarship out of Special Endowment Trust Funds	Value of Scholarship	Number of Scholarships	Descriptions of Scholarship
18. Prof. I.N. Madan Memorial Scholarships	Rs. 250 p.m. (for 10 months) (each)	2	To M.A. Part II (Hindi) students as detailed below : (i) One Scholarship to the Deptt. 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.
19. Baba Prithvi Singh Azad Scholarship	Rs. 300 p.m. (for 10 months)	1	One Scholarship of Rs. 300/- shall be awarded to a student of M.A. Part II Sociology, having obtained the highest marks in M.A. Part I Sociology in the Department of Sociology, Panjab University.
20. Prof. K.N. Lakshminarayan Memorial Scholarship	Rs. 200 p.m. (for 10 months)	1	For a student of Physics Deptt., who secures first division & first position in B.Sc. (Hons. School) Physics exam. of the P.U., without having any reappear.
21. (a) Late Sh. Sampuran Mahant Memorial Scholarship	Rs. 700/- p.m. (for 10 months)	1	To be awarded to a student of M.Sc. (Hons. School) Chemistry final year on the basis of his/her merit in the M.Sc. (Hons. School) Ist year examination.
(b) Late Smt. Lila Mahant Memorial Scholarship	Rs. 500/- p.m. (for 10 months)	1	To be awarded to a student of B.Sc. (Hons. School) Chemistry final year on the basis of his/her combined merit of 1st and 2nd year B.Sc. (Hons. School).
22. Prof. Hans Raj Gupta Memorial Scholarship	Rs. 2000 p.a. (fixed)	1	For a student of Mathematics Deptt. B.Sc. (Hons. School) in Mathematics 1st year class on the basis of written and viva-voce test.
23. Sh. Rajinder Mohan Kumar Memorial Scholarships	Rs. 500 p.m. (for 10 months) (each)	2	For students of Deptt. of Chem. Engg. & Tech. on Merit-cum-Means basis.
24. Amrit Kaur Khurana Memorial Scholarship	Rs. 150 p.m. (for 10 months)	1	For student of Chem. Engg. & Tech. on Merit-cum-Means basis.

Name of the Scholarship out of Special Endowment Trust Funds	Value of Scholarship	Number of Scholarships	Descriptions of Scholarship
25. Thakur Datta Sharma Dharmarth Scholarships	Rs. 100 p.m. (for 10 months) (each)	5	For students of Chem. Engg. & Tech. 1st year class. Purely on merit, determined on the basis of entrance test.
26. Durga Devi Ram Dass Merit Scholarships	Rs. 600 p.m. (for 10 months) (each)	6	For students of B.Sc. (Hons. School) Chemistry Deptt.
27. Ram Parkash Mehra Memorial Scholarship	Rs. 1500 p.a. (fixed)	1	For student of Diploma Course of the Deptt. of Computer Science & Applications on Merit-cum-Need basis.
28. Kamal Gupta Memorial Scholarship	Rs. 100 p.m. (for 10 months)	1	To a student of M.A., Deptt. of Hindi on Merit-cum-Means basis.
29. Alfred Woolner Scholarship	Rs. 200 p.m. (for two years)	1	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.
30. Prof. D.V.S. Jain Merit Scholarship	Rs. 400 p.m. (for 10 months)	1	To a student of M.Sc. Part II (Hons. School) in Chemistry.
31. Yamuna Devi Tejaswigiri Scholarships	Rs. 300 p.m. (each)	2	For Engg. Degree Course (including Chemical Engg.) students on Merit-cum-Means basis.
32. Late Sh. Pritam Nath and Mrs. Ram Piari Scholarships	Rs. 500 p.m. (for 10 months)	2	To the wards of the University employees studying in the University Departments on the basis of Merit-cum-Means.
33. Pt. Labhu Ram Sharma Scholarship	Rs. 500 p.m. (for 10 months)	1	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 Deptt. of Panjab University.
34. Pt. Labhu Ram Sharma and Shanta Sharma Scholarships	Rs. 500 p.m. (for 10 months)	2	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 Deptt. of Panjab University.

Name of the Scholarship out of Special Endowment Trust Funds	Value of Scholarship	Number of Scholarships	Descriptions of Scholarship
35. Class of 1969 Scholarships	Rs. 500 p.m. (each) (for 10 months)	4	One each to 1st year, 2nd year, 3rd year and 4th year student of the Deptt. of Chemical Engg. & Tech., P.U., Chandigarh.
36. Dr. J.N. Kaushal Scholarship	Rs. 1000 p.m. (for 10 months)	1	To be awarded to a student of LL.B. 1st Sem. on the basis of merit of Entrance Test conducted by the University.
37. Mr. Justice R.P. Khosla Mem. Scholarship	Rs. 1000 p.m. (for 10 months)	1	To a needy and deserving student of LL.M. 1st year for the duration of the Course in the Deptt. of Laws.
38. Tikka Jagjit Singh Bedi Mem. Scholarships	Rs. 500 p.m. (each) (for 10 months)	2	To the needy students of the Deptt. of Laws.
39. Dr. B.M. Anand and Mrs. Ram Lubhia Anand Scholarships	Rs. 500 p.m. (each) (for 10 months)	2	One to a student admitted in B.Sc. I (H.S.) Physics on the basis of merit and the other to the most needy student of any class of Physics (H.S.) of the Physics Deptt.
40. (i) Mrs. Udham Kaur Menon Educational Scholarship	Rs. 800 p.m. (for 10 months)	1	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.
(ii) Mrs. Udham Kaur Menon Educational Scholarships	Rs. 1000 p.m. (for 10 months) (each)	2	Two Scholarships to the girl students studying in Medical Colleges affiliated to Pb. University Strictly on the basis of Merit-cum-means.
41. Dr. Prabha Chaudhry Memorial Scholarship	Rs. 500 p.m. (for 10 months)	1	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.
42. Late Mrs. Pushpa & Sh. G.L. Chojar Memorial Scholarship	Rs. 500 p.m. (for 10 months)	1	To be awarded to a girl student specially belonging to poor family without distinction of caste, creed or religion doing Ph.D. in Hindi in the Deptt. of Hindi, P.U., Chd. and in case Ph.D. student is not available the same be granted to an M.A. Hindi student.
43. Sh. H.L. Sarin Memorial Essay & Moot Competition	Ist prize Rs. 2000/- IInd prize Rs. 1500/- IIIrd prize Rs. 1000/-	2	To students who win All India Essay competition on Rent Law.

Name of the Scholarship out of Special Endowment Trust Funds	Value of Scholarship	Number of Scholarships	Descriptions of Scholarship
44. Late Sh. Hari Ram Luther Memorial Scholarship	Rs. 9000/- p.a.	1	To be awarded to promising undergraduate mathematics students in his/her B.A. III class.
45. Late (Mrs.) Ved Kaur Luther Memorial Scholarship	Rs. 9000/- p.a.	1	To be awarded to promising undergraduate Punjabi literature student in his/her B.A. III class.
46. Late Sh. Ajit Singh Sarhadi Memorial Scholarships	Rs. 8000/- p.a. each	2	Two students, one from second year and one from final year of LL.B.
47. Sh. Inder Pal Singh Palu Memorial Scholarship	Rs. 600/- p.m. (for 10 months)	1	To be awarded to the Ward of 'C' class University employees in the deptt. of Chem. Engg. & Tech., Pharmaceutical Sciences and B.Sc. (H.S.) on the basis of merit of Entrance test for admission to first year Course in their deptts. 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.
48. Seth Beni Prashad Memorial Scholarship	Rs. 2500/- p.a.	1	To be awarded to the best student of M.A. Economics Part II for his/her outstanding performance in Academics on the basis of result of M.A. Part I class.
49. Prof. S.R. Bawa Merit Scholarship	Rs. 650/- p.m. (for 10 months)	1	The scholarship be based on merit to a student standing first-class first in B.Sc. (H. S.) exam. in Bio-Physics, provided the student is enrolled in M.Sc. (H.S.) in Bio-Physics.
50. Late (Mrs.) Vimal Chadha Memorial Scholarship	Rs. 500/- p.m. (for 10 months)	1	To be awarded to the topper of M.A. English previous year examination of the whole of University held every year.
51. Surinder & Sarika Mahant Library Science Scholarships	Rs. 450/- p.m. (each) (for 10 months)	2	(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.

Name of the Scholarship out of Special Endowment Trust Funds	Value of Scholarship	Number of Scholarships	Descriptions of Scholarship
52. Rajni Rai-cum-C. Rai Barrister Memorial Scholarship	Rs. 400/- p.m. (for 10 months)	1	To be awarded to the needy & deserving Law students of Law Faculty of P.U. either to LL.B. students or LL.M. students.
53. Shanti Rai Sahni Scholarship	Rs. 1000/- p.m. (for 10 months)	1	To be awarded to a needy and meritorious student who seek admission in Ist year Electronics and Communication Engg. at P.U. Chandigarh
54. Smt. Somwati and Sh. Thakur Das Farwaha Memorial Scholarships	Rs. 5000/p.a. (each)	2	(i) For Chemistry : To be awarded to a student who topped in the B.Sc. (Hons. School) and admitted in the 1st year of M.Sc. (Hons. School) (ii) For UIET : To be awarded to a student who in the order of merit of CET admitted in the UIET in any stream.
55. Prof. (Dr.) S.R.K. Chopra Scholarship	Rs. 500/- p.m. (for 10 months)	1	To be awarded to topper in B.Sc. (H.S.) Final in Anthropology.
56. Late Abhishek Sethi Memorial award.	Rs. 30,000/- p.a.	1	To be given to one topper student of securing highest aggregate marks from all the courses in U.I.E.T. Department.
57. Late Prof. V. C. Dumir Scholarship for Mathematics Excellence.	Rs. 1000/- p.m. (for 10 months)	1	To be awarded to the meritorious student of M.Sc. (H.S.) Ist year studying in the Department of Mathematics P.U., Chandigarh and would be continued to that student for M.Sc. (H.S.) 2nd year after examining his/her performance.
58. Late Dr. Laxmi Narain Sharma Memorial Scholarship	Rs. 700/- p.m. (for 10 months)	1	To be awarded to the candidate standing first in the subject of Hindi in the B.A. Exam. and wishing to do M.A. Hindi in the Deptt. of Hindi.
59. (i) Late Parameshwara Nand & Smt. Gayatri Devi	Rs. 700/- p.m. (for 10 months)	1	To be awarded to a student of P.U. Sanskrit Deptt. for standing First in M.A. Sanskrit Part I.
(ii) Late Smt. Padma Sharma	Rs. 700/- p.m. (for 10 months)	1	To be awarded to a student of P.U. Sanskrit Deptt. for standing 'Second' in M.A. Sanskrit Part I Exam.

60. "Late Mrs. Saubhagya & Prof. Prem Nath Memorial Scholarship".
To be awarded 'four' fellowships for M.A. students of the Deptt. of Philosophy on the following terms and conditions :-
- (i) 'One' scholarship in M.A. Ist year be awarded to the student for standing 'first' in the list of admitted students.
 - (ii) 'Second' scholarship be awarded to the student of M.A. Ist year who is both needy and meritorious.
 - (iii) 'Third' scholarship in the M.A. 2nd year be awarded to the student who secured highest marks in the M.A. I exam.
 - (iv) 'Fourth' scholarship be awarded to the student of M.A. 2nd who is both needy and meritorious.
 - (v) Amount of each scholarship would be Rs. 1000/- p.m. for 10 months.
61. **Justice Teja Singh Memorial Scholarship**
To be awarded to the students who have been admitted to LL.M. 1st Semester on need-cum-merit basis @ Rs. 15,000/- (p.a.) every year.
62. **Prof. P.S. Gill Memorial Scholarship**
Two Scholarships @ Rs. 6,000/- (p.a.) each to be awarded to M.Sc. (H.S.) IInd Physics/M.Sc. (H.S.) IInd Physics & Electronics students on the basis of their performance in both the semester of M.Sc. (H.S.) Ist Physics/M.Sc. (H.S.) Ist Physics & Electronics.
63. **Late Mr. Prithvi Bery Memorial Scholarship**
To be awarded to a student pursuing M.B.A./M.B.A.-H.R./M.B.A.-I.B. from the University Business School Chandigarh Campus and he 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 @ Rs. 3,000/- p.m. for 10 months every year.
64. **Late Begum Iqbal Bano Memorial Scholarship**
To be awarded to the students who stand first in the Deptt. of Hindi P.U., in M.A. Ist & IInd.
- (i) M.A. Ist (Hindi) (i.e. Total score of semester 1st & 2nd Rs. 1,200/- (p.m.) x 10 months = 12,000/-
 - (ii) M.A. IInd (Hindi) (i.e. Total score of semester 1st, 2nd, 3rd & 4th Rs. 2,100/- (p.m.) x 10 months = 21,000/-
- Total Rs. 33,000/-
65. Ten Scholarships each on the result of B.A./B.Sc. (General) First Year Examination.
66. Two Scholarships on the result of B.A./B.Sc. (General) Third Year Examination i.e. one for B.A. and other for B.Sc.
67. One Scholarship in each subject for standing first in the combined result of B.A.
68. One Scholarship each on the result of the B.Sc. (Hons. School) Final examination in Chemistry, Biochemistry, Anthropology, Zoology, Botany, Physics, Geology, Microbiology and Bio-Physics.
69. Silver Jubilee Merit Scholarship Rs. 200 p.m. for M.Sc. 1st year (for Maths. student).
70. Eight NBHM Scholarships of the value of Rs. 700 p.m. for outstanding students joining B.Sc. (Hons. School) First year in Mathematics on the basis of performance of students in the Common Entrance Test, aptitude test/interview.
71. One Scholarship each on the result of B.Sc. (Home Science) Part-I, II and III examination.
72. One Scholarship each on the result of 2nd semester of the 1st, 2nd, 3rd and 4th Year Bachelor of Architecture exam.
73. Fifteen Scholarships each on the result of 2nd, 4th and 6th semester of B.Engg. examination.

74. Nine Scholarships each on the result of 1st and 2nd Professional of MBBS examination.
75. One Scholarship on the result of Shastri Part III examination on joining the Acharya Part-I class.
76. One Scholarship on the result of Acharya Part-I examination on joining the Acharya Part-II class.
77. LL.M. Part-I :- Two Scholarships to the top most students provided they secure at least 60% marks at the LL.B. Examination.
78. LL.M. Part-II :- Two Scholarships to the top most students provided they clear the LL.M. Part I in the 1st attempt.

Note : Sr. No. 65–78 covered under the University Merit Sheet.

1. 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.

2. (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.

3. 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. 2.50 lac. (Income limit Rs. 2.50 lac) & other formalities like Post Matric Scholarship.

4. 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 an exceed Rs. 60965/-, 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. 2,50,000 & 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. 16,000/- 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. 2.50 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 an other 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. 2014. Incomplete applications will not be entertained/the applications received after the due date will be rejected.

MEDALS CREATED THROUGH ENDOWMENTS

1. Prof. M.G. Singh Gold Medal for highest marks in linguistics paper related to any group of M.A. (English) final examination, provided the awardee passes the examination in the first or second division in the first attempt.
2. Jiwan Mal Malhotra Gold Medal in M.A. History examination, on alternate year, to the best candidate on the basis of result of two years.
3. Arun Modi Gold Medal for standing first in the Final Chemical Engineering Examination.
4. Panjab University Journalists' Society Gold Medal for standing first in the Bachelor of Mass Communication.
5. Pt. Hem Raj Memorial Medal for standing first in the Final B.Sc. (Hons. School) Examination in Mathematics.
6. Mohinder Pal Aggarwal Gold Medal to the poorest candidate amongst the three top position holders of final M.B.B.S. Examination.
7. Swami Nirvikaranand Saraswati Gold Medal to the student who tops the list of candidates in all M.A. Examinations together.
8. Kartar Singh Chadha Gold Medal for standing first in the LL.B. examination.
9. Pt. Hem Raj Silver Medal for standing first in M.Sc. (Mathematics).
10. R.B. Badri Dass Silver Medal for standing first in the LL.B. final Examination.
11. Attar Chand Kapur Silver Medal for standing first in M.A. Economics.
12. Uttam Devi Medal for the girl candidate standing first in the Prabhakar Examination.
13. Gadgil Gold Medal for obtaining top position in M.A. amongst the Social Sciences (History, Pol.Sc., Economics, Public Administration and Sociology).
14. Prof. Prem Singh Silver Medal for standing first in the B.Sc. (Honours School) in Chemistry.
15. Dewan Bahadur Wali Ram Taneja Gold Medal for standing first in M.Sc. Honours School in Anthropology.
16. Mohinder Pal Aggarwal Silver Medal to the poorest candidate amongst the three top position holders in final B.Sc. Examination.
17. S.J. Jindal Trust Gold Medals for standing first in Prajna, Visharad, Shastri and Acharya.
18. S.J. Jindal Trust Silver Medals for standing second in Prajna, Visharad, Shastri and Acharya.
19. H.M.T. (Bangalore) Gold Medal for standing first in Bachelor of Mechanical Engineering Examination.
20. Smt. Pritam Devi Rampal Memorial Silver Medal to a girl student standing first in the final B.Sc. (Home Science).
21. Dr. Devinder Sarup Singh Memorial Gold Medal to the student standing 1st in the M.B.B.S. Examination.
22. Sherie Doonga Ji Silver Medals for standing 1st in M.Sc. (Home Science) combined results of all the disciplines & B.Sc. (Home Science) examination.
23. 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.
24. Dr. Surinder Vadhera Memorial Gold Medal for standing 1st in M.B.B.S. examination.
25. Ms. Sudarshan Pal Sidhu Gold Medal for standing 1st amongst the women candidates for M.Ed. examination.

26. Dr. Ramji Narain Omvati Gold Medal for standing 1st in B.Sc. (Hons. School), Bio-Chemistry examination.
27. Dr. Ramji Narain Omvati Gold Medal for standing 1st in M.Sc. (Hons. School), Bio-Chemistry examination.
28. H.M.T. (Bangalore) Gold Medal for standing 1st in Bachelor of Production Engg. examination.
29. Rajiv Verma I.P.S. Gold Medal for standing first in M.A. History examination.
30. 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.
31. "P. Sundarayya Gold Medal" on the result of M.A. final Political Science examination, offering the optional paper of Marxism at any level.
32. Prabhat Memorial Gold Medal to a student for standing first in M.A. Indian Theatre examination.
33. Prof. Hans Raj Gupta memorial two silver medals to the best graduate students of M.Sc. (Hons. School) and M.Sc. 2 year course in the department of Mathematics.
34. Prem Chand Silver Medal to the best short story writer in Hindi amongst the students of the University Teaching Departments and the affiliated colleges.
35. Surendra Nath Gold Medal to a best all rounder student of B.Sc. (Hons. School) in the Deptt. of Chemistry.
36. Om Gupta Gold Medal for standing first in B.E. (Chemical Engg.) final examination.
37. Smt. Raj Suri Gold Medal for passing M.A. Sanskrit 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.
38. 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.
39. Dr. Vidya Prakash Verma Silver Medal to the best Dental Faculty Student in Surgery.
40. Dr. Jagdish Saran Sharma Memorial Gold Medal for standing first in the Master of Library Science Examination.
41. 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 in the Physics Deptt. and another medal to the student who gets the 1st position in first attempt on completion of the M.Sc. programme in the Physics Deptt.
42. 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.
43. Gold Medal for Dr. Hazari Prasad Dwivedi Essay Contest on Emotional Integration of the Country.
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.
44. 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.

45. Punshi Narain Devi Vidyawati Charitable Trust Gold Medal to a student who obtains the highest marks in Industrial Pharmacy paper of B.Pharmacy examination.
46. 'Late Sh. Chander Parkash Gold Medal' to the topper of M.A. Economics of Panjab University who secure at least 60% marks (1st year and 2nd year combined).
47. Dr. Paras Diwan Memorial Medal to the topper of the LL.B. Course.
48. 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.
49. Mrs. Gian Harkishan Singh Pharmacy Medal.
To be awarded 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.
50. Sarika and Surinder Mahant Gold Medal to the student receiving First class first in M.Lib. & Information Science (Two year integrated Course) examination conducted by the Panjab University.
51. Dr. Kirpal Singh Gold Medal to a student standing first in LL.M. every year.
52. 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.
53. Late Prof. Iqbal Nath Chaudhary Memorial Gold Medal
To be awarded annually at the University Convocation to a student standing first in M.A. (Political Science) Annual System.
54. Prof. R.C. Paul, Mem. Gold Medal
To be awarded to a first class first student of M.Sc. (H.S.) in Chemistry.
55. Prof. Dr. S.R.K. Chopra, Mem. Gold Medal
To be awarded to topper in B.Sc. (H.S.) final in Anthropology.
56. K.K. Nanda Gold Medal
To be awarded for Ph.D. Research in Plant Sciences.
57. 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.
58. Late Principal P. L. Anand Memorial Gold Medal
To be awarded to the student standing first in M.A. Pol. Science (Semester System).
59. Pt. Tejpal Singh Bandhu Gold Medal
To be awarded to the topper of M.A. (Music) Vocal Examination of Panjab University at Convocation every year.
60. 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.

I. FACULTY OF ARTS

DEPARTMENT OF ANCIENT INDIAN HISTORY, CULTURE AND ARCHAEOLOGY

About the Department

The Department was established in 1961. Since then it is imparting quality education to the students. The Department provides practical training to the budding archaeologists. The Department has carried out extensive field work including excavation/exploration from time to time. Main sites excavated by the Department are Sugh, Mitathal, Mahorana etc. The museum of the Department possesses rich collection of antiquities for study and research. Special lectures are organized by the Department on different aspects of Ancient Indian History and Culture. The Department has been hosting several conferences and seminars since its inception.

Faculty

Particulars	Name	Field of Research Specialization
Prof. Re-employed	Ashvini Agrawal N.K. Ojha	<i>Ancient Indian History, Culture & Archaeology</i> <i>Ancient Indian History, Culture & Archaeology</i>
Assistant Professor	Paru Bal Sidhu (Chairperson) Renu Thakur	<i>Ancient Indian History, Culture & Archaeology</i> <i>Ancient Indian History, Culture & Archaeology</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	46	2 years (Semester System)	As prescribed in Section 7.1 of Rules for Admission
Diploma in Heritage Tourism	30	1 year	Basic qualification : 10+2 or equivalent examination. Merit shall be determined on the following basis : 80% marks on merit and 20% marks for interview-cum-aptitude test. Out of 80%, 60% shall be for 10+2 examination, 10% for graduation, 10% for post graduation.
M.Phil.	15	1 year	See General Important Guidelines.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines.

Title of Syllabi :

M.A.

SEMESTER-I

Paper-I	:	History of India from the Earliest Times to 8th Century B.C.	Paper-IV	:	South Indian History
Paper-II	:	History of India from 78 A.D. to 300A.D.	Paper-V	:	History of Indian Religions from the Earliest Times upto 1200 A.D.
Paper-III	:	History of India from 650 A.D. to 1207 A.D.	Paper-VI	:	Indian Architecture
			Paper-VII	:	Sculpture
			Paper-VIII	:	Iconography

SEMESTER-II

Paper-IX	:	History of India from C. 8th Century B.C. to 78 A.D.	Paper-XII	:	South Indian History
Paper-X	:	History of India from C. 300 A.D. to 1200 A.D.	Paper-XIII	:	History of Indian Religions from the Earliest Times upto 1200 A.D.
Paper-XI	:	History of India from 650 A.D. to 1207 A.D.	Paper-XIV	:	Indian Architecture
			Paper-XV	:	Sculpture
			Paper-XVI	:	Iconography

SEMESTER-III

Group-A	Archaeology	Group-D			
Paper-I	:	Prehistoric Archaeology	Paper-I	:	Social Life and Institutions in Ancient India
Paper-II	:	Archaeological Methods, Techniques and Early Historic Archaeology	Paper-II	:	Political Ideas and Institutions in Ancient India
Group-B	Epigraphy and Numismatics	Group-E	History of Literature		
Paper-I	:	Palaeography & Epigraphy	Paper-I	:	Pali and Prakrit Literature
Paper-II	:	Numismatics	Paper-II	:	History of Sanskrit Literature
Group-C	Greater India	Group-F	Ancient World		
Paper-I	:	Central Asia and China	Paper-I	:	Afro-Asian Civilization
Paper-II	:	Burma, Thailand and Indonesia	Paper-II	:	Greek Civilization

SEMESTER-IV

Group-A	Archaeology	Group-D			
Paper-III	:	Protohistoric Archaeology	Paper-III	:	Economic Life and Institutions in Ancient India
Paper-IV	:	Techniques of Archaeological Excavation, Recording and Early Historic Archaeology	Paper-IV	:	Political Ideas and Institutions in Ancient India
Group-B	Epigraphy and Numismatics	Group-E	History of Literature		
Paper-III	:	Palaeography & Epigraphy	Paper-III	:	Pali and Prakrit Literature
Paper-IV	:	Numismatics	Paper-IV	:	History of Sanskrit Literature
Group-C	Greater India	Group-F	Ancient World		
Paper-III	:	Central Asia and Tibet	Paper-III	:	Afro-Asian Civilization
Paper-IV	:	Champa and Cambodia	Paper-IV	:	Roman Civilization

Note : The students may offer any of the four listed papers in each semester of M.A. I and any of the two listed groups in each semester of M.A. II subject to availability to be notified by the Department at the beginning of each academic session.

Diploma in Heritage Tourism:

Paper-I	:	Historical Introduction	Paper-III	:	Tourism Planning & Management
Paper-II	:	Cultural Traditions			

Departmental Cultural Association

The students of the Department have their Cultural Association with a subscription of Rs.250/- per annum. The Association arranges lectures, functions, short excursions, study tours and other co-curricular activities.

Thrust Areas

The main focus of the Department is on History, Culture and Archaeology with special reference to Numismatics, Art, Architecture and Epigraphy. The Department also undertakes the study of Social, Political, Economic Institutions and spread of Indian Civilization to Central Asia, China and Tibet.

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 course is open to all the students from various streams, but preference is to the applicants who have studied Defence Studies/Military Science at graduation level. 5 seats are reserved for the Serving Defence Personnel.

The Department also offers M.Phil. course in Defence & Strategic Studies to the defence service officers. 5 seats are kept open for admission through entrance test conducted by the department.

The Department runs One-year Postgraduate Diploma Course and Three-month Executive Certificate Course in Disaster Management & Security incl., One-year Postgraduate Diploma Course in Homeland Security which is only of its kind in the country served by this department.

The Department hold special lectures including Saminars & 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 (Chairperson)	<i>International/ National Security</i>
Assistant Professor	Jaskaran Singh	<i>Maritime Security/Area Study China/ Pakistan</i>
Guest Faculty	Meena Dutta Shaveri Thakur	<i>Conflict Resolution</i> <i>Maritime Security/Indian Ocean</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	34+5 for Serving Defence Personnel	2 years (Semester System)	(i) Candidate shall offer Defence Strategic Studies who had passed Defence & Strategic Studies at graduate level; (ii) has passed Bachelor's Degree in allied subjects History, Political Science, Economics, Sociology, Psychology, Geography, Geology, Public Administration in Faculty of Arts/Social Science;

			(iii) has passed their qualifying examination in other subjects/Faculties; and
			(iv) Candidates belonging to the Armed Forces (i.e. Army, Navy & Air Force) after having put in five years of regular service provided they have passed the graduation examination.
M.Phil.	20 for Defence Officers at Army Training Command, Shimla and its Establishments 5 seats for officers from the armed forces outside ARTRAC 5 seats are open for Defence Studies Students	1 year (2 Semesters)	Should be a commissioned officer of Indian Defence Forces so as to have the requisite experience in defence studies. Should have Master's Degree with 50% marks See General Important Guidelines.
One Year Postgraduate Diploma Course in Disaster Management & Security	34	1 year (Semester System)	Graduation in any discipline with 50% marks
Executive Course in Disaster Management & Security (Twice a year)	20	3 months	All government, non-government agency executives, armed forces and para-military personnel including elected representatives and media persons holding graduation degree with two year work experience sponsored by their parent organization
One Year Postgraduate Diploma Course in Homeland Security	25 (15 Serving Personnel recommended by their respective Departments + 10 Open)	One year	(a) Bachelor's degree in any discipline of the Panjab University with at least 50% marks (b) An examination of another university recognized by the Syndicate as equivalent to (a) above.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

Title of Syllabi :

M.A.

SEMESTER-I

D.S. 1 : National Security Conceptual Aspect	D.S. 3 : Art of War
D.S. 2 : Concept and Theories of International Relations	D.S. 4 : Armed Forces and Society

SEMESTER-II

- D.S. 5 : Defence Aspects of International Relations
D.S. 6 : Strategic Aspects of India's Security
D.S. 7 : Modern Strategic Thought
D.S. 8 : Research Methodology

SEMESTER-III

Important Note : In M.A.-II (3rd Semester) there will be **three** compulsory (core) papers and **two** optional papers.

- D.S. 9 : Science, Technology & National Security
D.S. 10 : Area Study China
Optional papers (any **one** will be opted)
D.S. 11 : Dissertation
D.S. 12 : Indian Military History
D.S. 13 : Indian Ocean and India's Maritime Security

SEMESTER-IV

Important Note : In M.A.-II (4th Semester) there will be **three** compulsory (core) papers and **three** optional papers.

- D.S. 14 : Regional Security and Cooperation in South Asia
D.S. 15 : Defence Economics
Optional papers (any **one** will be opted)
D.S. 16 : Area Study Pakistan
D.S. 17 : Major Conflicts in Post World War-II Era
D.S. 18 : Non-Traditional Dimensions of India's Security
D.S. 19 : Internal Security Challenges of India

M.Phil.

Eligibility for Enrolment

1. An officer must fulfill the following conditions to enroll for M.Phil. in Defence Studies.
 - (a) Should have a requisite experience in defence management and studies.
 - (b) Should have postgraduate degree in any discipline.
 - (c) Should have obtained a minimum of 50% marks at postgraduate level.
 - (d) Should be carrying out research related duties or involved in imparting instructions in military related subjects or Defence Studies to student officers. Research related assignment may include :-
 - (i) Officers formalizing concepts and doctrines
 - (ii) Officers involved in studies related to strategic issues
 - (iii) Officers posted to various faculties of studies dealing with formulation and conduct of defence studies.
 - (iv) Officers involved in publication of defence studies literature used by various training institutions for imparting training for postgraduate and/or officer courses.
 - (v) Officers posted on the strength and recommended by the Head of the Training Establishments.

Title of Syllabi :

SEMESTER-I

1. Research Methodology
2. Strategic Thinking and Culture
3. Conflict and Cooperation in South Asia

SEMESTER-II

1. Conflict Resolution and Peace Building
2. Indian Ocean and India's Security
3. Dissertation

P.G. Diploma in Disaster Management

Title of Syllabi :

SEMESTER-I

1. Disaster Management–Conceptual Framework
2. Risk Factor, Crisis Management and the Role of NGOs
3. Disaster Management Structure-Coordination and Response
4. Project report based on field study+Viva-voce Examination

SEMESTER-II

1. Disaster Management–Relief and Rehabilitation
2. War and Disaster Management
3. Dissertation+Viva Voce Examination

Executive course in Disaster Management and Security

Title of Syllabi :

1. Disaster Management
2. Project Report and Viva Voce

P.G. Diploma Course in Homeland Security

Title of Syllabi :

SEMESTER-I

1. Concept of Homeland Security
2. Political, Social, Economic & Geographical aspects of Homeland Security
3. Intelligence and Internal Security Mechanism

SEMESTER-II

4. State, terrorism and counter terrorism
5. Human Rights, Legal Framework and Psychological aspects of Homeland Security
6. Case Study/Project Report

Thrust Areas

To create awareness regarding national and international security related issues amongst the students and to carry out research work on various security dimensions.

DEPARTMENT OF ECONOMICS

About the Department

The Department was established in 1951. After the partition of the country, the teaching of Economics in this University was organized in Government College, Hoshiarpur under the guidance of Professor K.K. Dewett and Professor S.B. Rangnekar (since 1951). The department was relocated at Chandigarh in 1958 and continues to be leading centre of teaching research and learning of Economics.

The department has the honour of having produced many well known economists like Dr. Manmohan Singh (Hon'ble Prime Minister of India) and Dr. B.S. Minhas. The department also has the privilege of having had Dr. Manmohan Singh, Dr. Gautam Mathur (Former Director of the Institute of Manpower Planning, New Delhi, and Ex Vice-Chancellor of Osmania University), Dr. Karam Singh Gill (Former Advisor, Planning Commission and Ex Vice-Chancellor of Guru Nanak Dev University, Amritsar),

Dr. G.S. Bhalla, (Former Member Planning Commission and Ex Chairman of the Commission of Agricultural Costs and Prices) on its faculty. One of its alumni namely Professor G.K. Chadha a former member of Economic Advisory Council to the Prime Minister of India and Ex Vice-Chancellor of the Jawaharlal Nehru University, New Delhi and Ex-President South Asian University, New Delhi.

Faculty

Particulars	Name	Field of Research Specialization
Professor (Dr. Manmohan Singh Chair)	Ajit Singh	<i>Modern Business Enterprises, De-industrialization, Globalization of Financial & Product Markets</i>
Prof. Emeritus	H.S. Shergill	<i>Agricultural Economics, Micro Economics.</i>
Prof. Re-employed	M.R. Khurana	<i>Agricultural Economics and GDP.</i>
Professor	Upinder Sawhney Gurmail Singh	<i>Public Policy, Indian Economy. Agricultural Economics, Development Economics and Health Economics</i>
Associate Professor	Indu Bala (Chairperson) S.P. Padhi Poonam Bakhshi	<i>Macro Economics, Monetary Economics. Industrial Economics, Public Finance. International Economics, Public Finance, Indian Economy, Population Economics.</i>
Assistant Professor	Amrita Sher Gill Smita Sharma Harpreet Singh Nitin Arora	<i>Micro Economics, Econometrics. HRD, Development Economics, Public Finance. Macro Economics, Math. Eco., Econometrics. Macro Economics, Quant. Mathematics, Indian Economy.</i>

Failed/drop-out candidates of M.A.I(Economics) & M.A.II (Economics), irrespective of the arrangement availed of by them or teaching institution viz. college, department etc. joined by them, are not admitted to the respective classes in the department. Those students who are not allowed to take the end semester examination due to shortage of lectures, will not be promoted/admitted to the next higher semester/class. This is applicable for M.A. as well as Five Year Integrated Programme in Economics.

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.A. (Hons. School)* *Following by M.A. (Hons. School)	29+4NRI	3 years (Six Semesters) 2 years (Four Semesters)	A person who has passed one of the following examinations will be eligible for admission to the first semester of the Five Year Integrated Programme in Economics :
Five Year Integrated Programme			(i) +2 examination under the 10+2+3 system of education conducted by a recognised Board/University/Council with at least 60 per cent (55 per cent in case of SC/ST candidates) marks. (ii) Any other examination, recognized by the Syndicate as equivalent to (i) above.

			(iii) There will be no entrance test. Admission will be purely on merit basis on the marks of the +2 examination.
			(iv) Medium of instructions will be English only.
			(v) 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).
M.A.	80 +5 NRI	2 years (4 Semesters)	As prescribed in Section 7.1 of Rules for Admissions.
M.Phil.	15	1 year (2 Semesters)	See General Important Guidelines.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines.

Titles of Syllabi:

B.A. (Honours School in Economics)

SEMESTER-I

BAHSECO-101	Economic History of India: 1857-1947	BAHSECO-103	Mathematics for Economic Analysis-I
BAHSECO-102	Principles of Economics	BAHSECO-104 BAHSECO-105	Sociology-I English-I

SEMESTER-II

BAHSECO-201	History of Economic Thought-I	BAHSECO-203	Mathematics for Economic Analysis-II
BAHSECO-202	Micro Economics-I	BAHSECO-204 BAHSECO-205	Sociology-II English-II

SEMESTER-III

BAHSECO-301	History of Economic Thought-II	BAHSECO-303 BAHSECO-304	Development Economics-I Economics of Agriculture
BAHSECO-302	Micro Economics-II	BAHSECO-305	Statistics for Economic Analysis

SEMESTER-IV

BAHSECO-401	Macro Economics-I	BAHSECO-404	Econometrics
BAHSECO-402	Development Economics-II	BAHSECO-405	Economics of Population
BAHSECO-403	Economics of Industry		

SEMESTER-V

BAHSECO-501	Contemporary Issues in Indian Economy-I	BAHSECO-504 BAHSECO-505	International Economics Optimization Techniques and Game Theory
BAHSECO-502	Macro Economics-II		
BAHSECO-503	Economics of Public Finance		

SEMESTER-VI

BAHSECO-601	Contemporary Issues in Indian Economy-II	BAHSECO-603	Basics of Financial Markets
		BAHSECO-604	Environmental Economics
BAHSECO-602	Human Resource Development	BAHSECO-605	Economic Journalism

M.A. (Honours School in Economics)

SEMESTER-I

MAHSECO-101	Advanced Economic Theory-I	MAHSECO-103	Operation Research
MAHSECO-102	Econometric Applications-I	MAHSECO-104	Contemporary Issues in Public Policy

SEMESTER-II

MAHSECO-201	Advanced Economic Theory-II	MAHSECO-203	Law and Economics
MAHSECO-202	Econometric Applications-II	MAHSECO-204	World Trading System : Theory and Practice

SEMESTER-III

In all, four courses would be offered (Two from each area of specialization in a combination) in each of the following Majoring Areas:

MAHSECO-301 (a)	Agriculture and Rural Development	MAHSECO-301(b)	Agriculture and Rural Development
MAHSECO-302 (a)	Banking and Insurance	MAHSECO-302(b)	Banking and Insurance
MAHSECO-303 (a)	Industry and Trade	MAHSECO-303(b)	Industry and Trade
MAHSECO-304 (a)	Money and Finance	MAHSECO-304(b)	Money and Finance

No formal teaching would be offered in the department in MAHS-Economics, Semester-IV. 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.

The students would have the choice of opting for any one of the above combinations. The same would be treated as Majoring Area (Field of Specialization) and would be shown in the M.A. Honours School in Economics degree as mentioned earlier.

MA.

SEMESTER-I

All compulsory papers

MAECO-101	Micro Economics-I	MAECO-103	Quantitative Methods
MAECO-102	Contemporary Issues in Indian Economy-I	MAECO-104	History of Economic Thought

SEMESTER-II

All compulsory papers

MAECO-201	Micro Economics-II	MAECO-203	International Economics
MAECO-202	Contemporary Issues in Indian Economy-II	MAECO-204	Economics of Public Finance

SEMESTER-III

There will be two compulsory papers

MAECO-301	Macro Economics-I	MAECO-302	Economics of Growth and Development
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Any **two** of the following options for Paper 303 & 304 :

- | | |
|--------------------------------|---|
| (i) Economics of Agriculture-I | (iv) Economics of Population |
| (ii) Economics of Industry-I | OR |
| (iii) Basic Econometrics | Economics of Human Resource Development |

SEMESTER-IV

There will be two compulsory papers :

MAECO-401	Macro Economics-II	MAECO-402	Economics of Growth & Development-II
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Any **two** of the following options for Papers MAECO 403 & 404:

- | | |
|---------------------------------|---|
| (i) Economics of Agriculture-II | (iv) Economics of Money & Banking |
| (ii) Economics of Industry-II | OR |
| (iii) Mathematical Economics | Economics of Financial Markets & Institutions |
| | (v) Advanced Econometrics |

M. Phil.

SEMESTER-I

Paper-I	Economic Theory-I	Paper-III	Econometrics-I
Paper-II	Research Methodology		OR
			Econometrics-II

SEMESTER-II

Paper-IV	Economic Theory-II	Paper-VI	Dissertation
Paper-V	Theory of Agricultural Economics		
	OR		
	Theory of Industrial Economics		

Ph.D.

The department provides the supervisory facility to the eligible candidates for research leading to Ph.D. degree in the under mentioned areas:

Economics of Agriculture, Economics of Industry, Economics of International Trade, Economics of Public Finance, Money & Banking and Development Studies.

Over and above the allocations of UGC Junior Research Fellowships to the Department, those not having fellowships or employed are allowed to pursue research as per University norms.

Thrust Areas

Agricultural Economics, Industrial Economics, International Economics, Development Economics and Money and Banking.

DEPARTMENT OF GANDHIAN AND PEACE STUDIES

About the Department

The Department was established in 1965, initially located in the artistically designed **Gandhi Bhawan** offering **Certificate Course in Gandhian Philosophy**, which was upgraded to P.G Diploma in 1972. 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 1984-1985. The Major activity of the Department beside 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.

Faculty

Particulars	Name	Field of Research Specialization
Professor Re-employed	Jai Narain Sharma	<i>Gandhian and Peace Studies Research Methodology Human Resource Management</i>
	Manohar Lal Sharma	<i>Gandhi's Social, Political and Economic Thought Non-violence and Peace Studies Rural Development and Panchayati Raj</i>
Assistant Professors	Manish Sharma (Chairperson)	<i>Non-violence, Peace Studies and Conflict Resolution Life, Work and thought of Mahatma Gandhi Research Methodology Panchyati Raj and Rural Development</i>
	Ashu Pasricha	<i>Gandhian Thought Non-violence, Peace Studies and Conflict Resolution Human Resource Management Disaster Management Research Methodology Rural Development and Panchyati Raj</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	29	2 years (4 Semesters)	1. A Graduate in any stream having 50% marks is allowed to take admission in M.A. 1st Semester in Gandhian and Peace Studies. However, a candidate having B.A. degree in any out of the following subjects with 45% marks is also eligible for admission : Gandhian Studies, Economics, Political Science, History, Ancient Indian History, Culture and Archaeology, Sociology, Geography, Women

Studies, Human Rights, Philosophy, Psychology, Defence Studies, Social Work, Public Administration and Police Administration.

2. The Department conducts aptitude test of 40 marks and the candidates are admitted after the final merit, i.e. 60% academic and 40% aptitude test.

M.Phil. 10 2 Semesters See General Important Guidelines.

Ph.D. Subject to availability 3-5 years See General Important Guidelines.

Titles of Syllabi

MA.

SEMESTER-I

Paper-I : Life and the Making of Gandhi Paper-IV : A Study of Texts
 Paper-II : Political Thought of Mahatma Gandhi Paper-V : Gandhi in Globalized World
 Paper-III : Peace Studies

SEMESTER-II

Paper-VI : Gandhi and Freedom Movement Paper-IX : Social Thought of Mahatma Gandhi
 Paper-VII : Economic Thought of Mahatma Gandhi Paper-X : Gandhi and World Peace
 Paper-VIII : Conflict Resolution with Special Reference to India

SEMESTER-III

Paper-XI : Research Methodology Paper-XIV : Gandhi, Ecology and Sustainable Development
 Paper-XII : Conflict Management and Transformation Paper-XV : Gandhi and Social Problems
 Paper-XIII : Legacy of Peace Building : Mohandas Karamchand Gandhi, Martin Luther King (Jr.), Daisaku Ikeda, Abdul Ghaffar Khan

SEMESTER-IV

Paper-XVI : Human Security and Disaster Management Paper-XVIII : Gandhi, Rural Development & Panchayati Raj in India
 Paper-XVII : Social Work and Social Reforms in India Paper-XIX : Field Work Project Report
 Paper-XX : Gandhi, Human Rights and Duties

M.Phil.

SEMESTER-I : 12 Credits

Paper-I : Research Methodology Paper-III : Peace Studies and Conflict Resolution
 Paper-II : Gandhi's Social, Political and Economic Thought

SEMESTER-II

Dissertation : 12 Credits

One Research Scholarship for M. Phil purely on merit basis

Ph.D.

Enrolment & Registration as per University Rules

The Department provides facilities for research leading to Ph.D. Degree on inter-disciplinary basis related to Gandhi's **Life, Work & Thought and Peace Studies.**

Thrust Areas

1. Socio-economic and Political Thought of Mahatma Gandhi
2. Peace Studies & Conflict Resolution
3. Rural Development & Panchayati Raj
4. Freedom Movement

DEPARTMENT OF GEOGRAPHY

About the Department

Established in 1960, the department holds a place of eminence as centre for quality research and training. It has been recognised as Centre for Advanced Study by UGC w.e.f. April 1, 2009. It offers opportunities for M.A. in Geography (Semester System) Masters in Disaster Management (Semester System), Masters in Remote Sensing and Geographic Information System (Semester System), Ph.D.

- Under CAS of UGC in Phase-I (2009-14)
- One of the first departments in the country to start a P. G. Diploma course in Remote Sensing and GIS. Course has been upgraded to Masters Degree from 2009-10.
- Headquarters of the Association of Population Geographers of India.
- Publishes a Bi-annual Journal : Population Geography, First ever Journal in the field, since 1979.
- Well equipped Updated Library/Remote sensing and GIS Cartographic, Surveying and Computer Labs.
- Map Reference Centre of Survey of India, Dehradun to cater needs of NW Region.
- Focus on Field work and educational trips.
- Close association with organizations like Survey of India, NRSC. Census of India, ICSSR, State Governments etc.
- Organizes U.G.C. sponsored National Seminar and Refresher Courses in Geography for college/university teachers and short term Training programmes for college and school teachers in Remote Sensing and GIS.

Faculty

Particulars	Name	Field of Research Specialization
Prof. Emeritus	Gopal Krishan	<i>Population Studies, Urban Geography, Administrative Geography</i>
Prof. Re-employed	Surya Kant	<i>Regional development with focus on India Administrative Geography</i>
Professors	Smita Bhutani	<i>Population Geography : Woman & Sustainability</i>
	Dhian Kaur Krishna Mohan	<i>Agricultural Geography, Environmental Studies Regional Development with Special Focus on backward Areas, Disaster Management, Remote Sensing & Geographic Information System</i>
	Karanjot Kaur Brar (Chairperson)	<i>Environmental Studies, Natural Disaster Studies, Remote Sensing & Geographic Information System, Climate & Sustainability Issues</i>
Associate Professor	Ravinder Kaur	<i>Regional development</i>
Assistant Professors	Gaurav Kalotra	<i>Population Geography Remote Sensing & Geographic Information System</i>
	Simirit Kahlon	<i>Urban Geography, Population Geography, Cultural & Environment Geography, Remote Sensing & Geographic Information System</i>
	Navneet Kaur	<i>Agriculture Geography & Horticulture</i>
	Vishwa Bandhu Singh	<i>Disaster Studies, Climate Change, Mountain Environments & Remote Sensing & Geographic Information System</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A. (Geography)	51+7NRI	2 years (4 Semesters)	As prescribed in Section 7.1 of Rules for Admission & Entrance Test at the Departmental level and Academic merit.
Masters in Remote Sensing and GIS	25+3* (*Sponsored by Govt./Institute)	2 years (4 Semesters)	i. The Eligibility criteria for admission to Masters in Remote Sensing and Geographic Information Systems (RS & GIS) is Bachelor's Degree with Geography/Geology/Geo-physics/Mathematics/Physics/Botany/Environment Science/Computer Science/Urban Planning/Regional Planning/B.Tech./B.C.A. or Masters Degree in Geography/Geology/Geophysics/Mathematics/Physics/Botany/Environment Science/Computer Science/M.C.A./Urban Planning/Regional Planning with at least 50% marks in aggregate. The admission to the course shall be through Entrance Test in which a

minimum score of 50% marks is mandatory for which the Board of Control in Geography is authorised.

- ii. *Sponsored by Govt./Institutes are exempted from the entrance test.
- iii. Admission to Masters in Remote Sensing & Geographic Information Systems is on entrance test at Department Level and Academic merit.

Masters in Disaster Management	25+3* (*Sponsored by Govt./Institute)	2 years (4 Semesters)	Bachelors in any discipline with 50% marks Admission to Masters in Disaster Management is on merit-cum entrance test basis at Department Level. *Sponsored by Govt./Institutes are exempted from the entrance test.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

M.A. Geography (Semester System)

SEMESTER-I

Paper	Title	Paper	Title
I	Geographic Thought	IV	Any one of the following optional courses :
II	Geomorphology	Option	(i) Fundamentals of Population Geography
III	Cartography (Theory and Practical)		(ii) Fundamentals of Agricultural Geography
			(iii) Political Geography
			(iv) Geographical Perspectives on Sustainable Development
			(v) Geography and Ecosystems

SEMESTER-II

Paper	Title	Paper	Title
I	Climatology	IV	Any one of the following optional courses :
II	Geography of India (Systematic and Regional)	Option	(i) Cultural Geography
III	Fundamentals of Remote Sensing (Theory and Practical)		(ii) Population and Development Planning
			(iii) Fundamentals of Natural Hazards and Disaster Management
			(iv) Marketing Geography
			(v) Contemporary issues in Human Geography
			(vi) Geography of Water Resources
			(vii) Administrative Geography

SEMESTER-III

Paper	Title	Paper	Title
I	Town and Country Planning	IV	Any one of the following optional courses :
II	Research Methodology in Geography		
III	Fundamentals of GIS and GPS (Theory and Practical)	Option	(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

SEMESTER-IV

Paper	Title	Paper	Title
I	Regional Planning	IV	Any one of the following optional courses :
II	Field Based Project Report (Practical only)		
III	Quantitative Methods in Geography (Theory and Practical)	Option	(i) Urban Geography
			(ii) Geography of Food Security
			(iii) Economic Geography (with special reference to India)
			(iv) Geography of Rural Settlements
			(v) Qualitative Research Methods in Geography
			(vi) Climate Change and Earth System

Masters in Disaster Management

SEMESTER-I

Course Code	Title of the Paper	Course Code	Title of the Paper
DM1	Concepts, Approaches and Theories of Disasters	DM4	Role of Remote Sensing & Geographic Information Systems in Disaster Management
	Theory : 80		Theory : 50
	Internal Assessment : 20		Practical : 30
DM2	Fundamentals of Disaster Management		Internal Assessment : 20
	Theory : 80		
	Internal Assessment : 20		
DM3	Natural and Human Induced Disasters		
	Theory : 80		
	Internal Assessment: 20		

SEMESTER-II

DM5	Finance and Insurance in Disaster Management	DM7	Disasters in India
	Theory : 80		Theory : 50
	Internal Assessment : 20		Practical : 30
DM6	Research Methods in Disaster Management	DM8	Disaster Management Mechanisms in India
	Theory : 50		Theory : 80
	Practical : 30		Internal Assessment : 20
	Internal Assessment : 20		

SEMESTER-III

DM9	Legal Aspects of Disaster Management	DM11	Relief, Rehabilitation & Reconstruction
	Theory : 80		Theory : 50
	Internal Assessment : 20		Practical : 30
DM10	Preparedness and Mitigation		Internal Assessment : 20
	Theory : 50	DM12	Internship
	Practical : 30		Report : 80
	Internal Assessment : 20		Viva Voce : 20

SEMESTER-IV

DM13	Role of International Agencies in Disaster Management	DM14	Dissertation
	Theory : 80		Formulation of Project proposal : 50
	Internal Assessment : 20		Mid-Term Evaluation : 50
			Report evaluation and Viva (150+50) : 200

Master in Remote Sensing and Geographic Information System (GIS) (Semester System)

SEMESTER-I

Paper I	: Fundamentals of Remote Sensing	Paper III	: Fundamentals of Geographic Information Systems (GIS)
	(a) Theory : 50		(a) Theory : 50
	(b) Practical (Lab. work 10 marks+ Record file 10 marks+ Viva 10 marks) : 30		(b) Practical (Lab. work 10 marks+ Record file 10 marks+ Viva 10 marks) : 30
	(c) Internal Assessment : 20		(c) Internal Assessment : 20
Paper II	: Fundamentals of Photogrammetry	Paper IV	: Fundamentals of Computers and Computer Programming
	(a) Theory : 50		(a) Theory : 50
	(b) Practical (Lab. work 10 marks+ Record file 10 marks+ Viva 10 marks) : 30		(b) Practical (Lab. work 10 marks+ Record file 10 marks+ Viva 10 marks) : 30
	(c) Internal Assessment : 20		(c) Internal Assessment : 20

SEMESTER-II

Paper V	: Cartography		Paper VII	: Image Processing	
	(a) Theory :	50		(a) Theory :	50
	(b) Practical			(b) Practical	
	(Lab. work 10 marks+			(Lab. work 10 marks+	
	Record file 10 marks+			Record file 10 marks+	
	Viva 10 marks) :	30		Viva 10 marks) :	30
	(c) Internal Assessment	20		(c) Internal Assessment :	20
Paper VI	: Spatial Analysis		Paper VIII	: Fundamentals of Global	
	(a) Theory :	50		Positioning System (GPS)	
	(b) Practical			(a) Theory :	50
	(Lab. work 10 marks+			(b) Practical	
	Record file 10 marks+			(Lab. work 10 marks+	
	Viva 10 marks) :	30		Record file 10 marks+	
	(c) Internal Assessment	20		Viva 10 marks) :	30
				(c) Internal Assessment :	20

SEMESTER-III

Paper IX	: Remote Sensing and Geographic Information Systems in Geosciences		Paper XI	: Research Methodology	
	(a) Theory :	50		(a) Theory :	80
	(b) Practical			(c) Internal Assessment	20
	(Lab. work 10 marks+		Paper XII	: Internship and Field Report	
	Record file 10 marks+			(a) Evaluation of the Internship and Field Report	50
	Viva 10 marks) :	30		(b) Presentation of Data Analysis and Main Findings	30
	(c) Internal Assessment	20		(c) Viva-voce	20
Paper X	: Remote Sensing and Geographic Information Systems in Urban and Regional Planning				
	(a) Theory :	50			
	(b) Practical				
	(Lab. work 10 marks+				
	Record file 10 marks+				
	Viva 10 marks) :	30			
	(c) Internal Assessment	20			

SEMESTER-IV

Paper XIII	: Project Report				
	(1) Formulation of Project Proposal	50			
	(2) Mid-Term Appraisal	50			
	(3) Pre-submission Presentation	50			
	(4) Evaluation	150			
	(5) Presentation	50			
	(6) Viva-voce	50			

NOTE :

1. Those candidates, who wish to discontinue after successful completion of first two semesters of the Masters course shall be awarded Diploma in Remote Sensing and Geographic Information Systems (RS & GIS).
2. The minimum marks required to pass the examination shall be 45% in each (i) theory paper, (ii) practical work, and (iii) Internship and field/project report, and 50% in aggregate.
3. The practical examination shall be conducted by a team of three examiners, including the internal, Chairperson of the Department, and one additional faculty member teaching the course.

Thrust Areas :

Major thrust areas for CAS the phase I include : Population Geography, Settlement Geography, Agricultural Geography, Geography & Ecosystems, and Remote Sensing and GIS applications. The Department holds a place in research in Population Geography, Agricultural Geography, Urban Geography, Regional Development, Ecological Studies and Administrative Geography. Research based teaching has been the forte of the Department.

DEPARTMENT OF GURU NANAK SIKH STUDIES

About the Department

The Department was established in 1970 in pursuance of scheme of the Punjab Govt. and University Grants Commission to conduct, guide and organise study and research of various aspects of life, work and teachings of Sri Guru Nanak Dev Ji in particular and of the Sikh Religion, History, Philosophy, Culture and Literature etc. and also any other area of study and research relevant to the area of Sikh studies.

The Department is situated in the New and Spacious Building named Sri Guru Tegh Bahadur Bhawan.

Faculty

Particulars	Name	Field of Research Specialization
Prof. Emeritus	Darshan Singh	<i>Sikh Studies and Medieval Panjabi Literature, Fiction Criticism & Sikh Studies</i>
Professor	Jaspal Kaur Kaang (Chairperson)	<i>Sikh Studies and Medieval Panjabi Literature, Fiction Criticism & Sikh Studies</i>

Course Offered

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
Ph.D.	Subject to availability	3-5 years	M.A./M.Sc. Degree in any subject and from any recognized University, Student from any stream as Arts, Language Science and Design & Fine Arts or any other with U.G.C. NET clear or after clearing Ph.D. entrance test conducted by P.U. Also see General important Guidelines of P.U. for Ph.D. course.
Ph.D. Course work		6 months	Syllabus is given on the Panjab University website.

Thrust Areas :

–To conduct, guide and organize study and research of various aspects of life, works and teachings of Guru Nanak Dev Ji and other contributors whose Bani has been compiled in Sri Guru Granth Sahib.

–To guide research in the field of Philosophy, Religion, Literature, Language, Sociology, Psychology, History, Culture, Music, Art, Architecture, Dance, Science and etc. or any other area related to Sikh Studies.

–Special emphasis is laid on the Study and Research of Medieval Indian Literature and Language.

–To explore more areas of research relevant to the Sikh Studies in abroad.

–To produce study and research with interdisciplinary approach.

Facilities available for Research

- Spacious Building with very good infrastructure.
- Seminar Hall for organizing Conferences, Seminars, Special/Extension Lectures, Workshops and other activities.
- Reference Library on Sikh Studies, Religions and on Medieval Literature.
- The Department has its Refereed Research Journal (Annual) entitled Punjab Journal of Sikh Studies to promote interdisciplinary Research work.
- So far Sixty Five Research Scholars have been awarded Ph.D. Degree.
- Six Research Fellows are granting U.G.C. Fellowship for pursuing their Research.
- The Department enrolls Students for Ph.D. who wish to undertake Research on Sikh Studies from any Faculty : Arts, Languages and Science or any other Faculty (with the regulations of Panjab University Calendar).

DEPARTMENT OF HISTORY

About the Department

The Department was established in 1951 and offers M.A., M.Phil and Ph.D. Courses. Research opportunities are available in three streams viz. Ancient, Medieval and Modern History.

The Department has organized National Seminars, 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 is also delivers extension lectures and remains in contact with the affiliated colleges. The department organizes various activities through Aitihisiki and the Alumni Association.

Faculty

Particulars	Name	Field of Research Specialization
Professor Emeritus	Sunita Pathania	<i>Modern Indian History</i>
Professor Re-employed	Devi Sirohi (on leave)	<i>History of America and Modern Indian History, with special reference to Gender Relations and Dalits</i>
Professors	Surinder Singh Veena Sachdeva	<i>Medieval Indian History Social, Economic and Political History of Medieval India with special reference to Medieval Punjab and study of Sacred Centres in Indian Civilization.</i>
	Reeta Grewal (Chairperson)	<i>Social History of Modern India, Urban History, Medieval and Modern Punjab.</i>
	M. Rajivlochan	<i>Modern Indian History</i>
	Anju Suri	<i>British Paramountcy and Princely States of India, Modern India Including Modern Punjab.</i>

Associate Professors	Sukhmani Bal Riar	<i>Modern Indian History of India with special reference to the National Movement and History of Punjab in the Modern period.</i>
	Belu Jain Maheshwari	<i>Modern Indian History, with Special reference to Gender Relations and Economic History.</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	50	2 years (Semester System)	As Prescribed in Section 7.1 of Rules for Admissions
M.Phil.	15	1 year (2 Semesters)	See General Important Guidelines
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

MA.

SEMESTER-I

Paper-I	Ancient India: An Overview	(HIS 231)
Paper-II	Medieval India: Political Process	(HIS 221)
Paper-III	Modern India: Political Process	(HIS 211)
Paper-IV	The Punjab (Mid fifteenth to seventeenth centuries)	(HIS 111)

SEMESTER-II

Paper-I	Punjab in the Eighteenth Century (Compulsory)	(HIS 125)
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Paper II: Any one of the Following:

Opt. (i)	Agrarian Economy of Ancient India	(HIS 713)
Opt. (ii)	Agrarian Economy of Medieval India	(HIS 712)
Opt. (iii)	Agrarian Economy of Modern India	(HIS 711)

Paper III & IV Any two of the following:

Opt. (i)	American Imperialism in the Nineteenth & Twentieth Centuries	(HIS 811)
Opt. (ii)	USA (1820-1973)	(HIS 812)
Opt. (iii)	China & Japan (1840-1950)	(HIS 844)
Opt. (iv)	History of Canada	(HIS 821)
Opt. (v)	Modern World (Mid 15 th -19 th Century)	(HIS 831)
Opt. (vi)	World in the Twentieth Century	(HIS 832)

SEMESTER-III

Paper I

Punjab in the Nineteenth Century (Compulsory) (HIS 123)

Paper II, III & IV any three from the following :

- | | |
|--|-----------|
| Opt. (i) National Movement in India 1858-1947 | (HIS 212) |
| Opt. (ii) Constitutional Development in Modern India 1773-1947 | (HIS 213) |
| Opt. (iii) British Policy and Princely States | (HIS 214) |
| Opt. (iv) Contemporary India 1947-1992 | (HIS 263) |
| Opt. (v) Evolution of Ancient Societies | (HIS 431) |
| Opt. (vi) Feudal Society in Western Europe | (HIS 421) |
| Opt. (vii) History of Capitalism | (HIS 411) |
| Opt. (viii) Rise & Growth of Colonialism in India | (HIS 412) |
| Opt. (ix) Gender Relations in Modern India | (HIS 601) |
| Opt. (x) Sacred Centres in Indian Civilization | (HIS 604) |
| Opt. (xi) Science, Technology & Medicine in Colonial India | (HIS 603) |
| Opt. (xii) History of Secularism in Modern India | (HIS 602) |

SEMESTER-IV

Paper-I

Punjab in the Twentieth Century (compulsory) (HIS 126)

Paper –II: Any one of the following

History and Historiography (HIS 911)
History and Historical Method (HIS 912)

Paper III & IV any two from the following :

- | | |
|--|-----------|
| Opt (i) Industry, Trade & Urbanization in Medieval India | (HIS721) |
| Opt. (ii) Industry, Trade & Urbanization in Modern India | (HIS730) |
| Opt. (iii) Working Class Movements in Modern India | (HIS731) |
| Opt. (iv) Urbanization in Modern India | (HIS733) |
| Opt. (v) Cultural History of Ancient India | (HIS 432) |
| Opt. (vi) Medieval Indian Art and Monuments. | (HIS 424) |
| Opt. (vii) Diaspora in Colonial India | (HIS 455) |
| Opt. (viii) Peasant Movements in Modern India | (HIS 467) |
| Opt. (ix) Dalit Movements in Modern India | (HIS 471) |
| Opt. (x) History of Caste and Caste Politics in Modern India | (HIS 462) |
| Opt. (xi) Buddhism in India | (HIS 438) |
| Opt. (xii) Islamic Traditions of Medieval India | (HIS 426) |
| Opt. (xiii) Religious Developments in Medieval India | (HIS 428) |
| Opt. (xiv) Socio-Religious Reform Movements in Modern India | (HIS 418) |

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.

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

About the Department

The Department is one of the pioneer schools of Library & Information Science in the country. It has produced 50 doctorates, organized various Refresher Courses and seminars in Library & Information Science. It has a rich collection of latest documents in the departmental library and a computer laboratory. The faculty of the department have produced a large number of research publications.

Faculty

Particulars	Name	Field of Research Specialization
Professor	Preeti Mahajan (Chairperson)	<i>ICT applications in Library and Information Centers</i> <i>Library Management</i> <i>Reference and Information Services</i> <i>Social Science Information System</i> <i>Library cataloging</i>
Assistant Professors	Rupak Chakravarty	<i>ICT -Basic Advanced (Theory & practice)</i> <i>Library Management</i> <i>Information & Communication</i> <i>Classification (Theory & practice)</i> <i>Information Storage Retrieval</i> <i>Bio-Informatics</i>
	Shiv Kumar	<i>Cataloguing (Theory & Practice)</i> <i>Library Management</i> <i>Research Methodology and Statistical Techniques</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
Master in Library & Information Science	40+5(NRI)	2 years	The admission of Master of Library and Information Science (Two Year Integrated Course) is based on merit and subject to fulfilling of other eligibility conditions as per Rules and Regulation of the University Criteria for admission The minimum qualification for admission to the course for the degree of Master of Library and Information Science (Two Year Integrated Course, Semester System) are : Bachelor's degree with the least 50 percent marks in the aggregate from this university or from other University which has been recognized by this university, or B.A. degree of the university through O.T/Modern Indian Language (M.I.L.) and English only examination, in which case the aggregate of 50 percent marks shall be calculated for taking into account of the marks obtained in English and the subjects taken together, or Any other qualification recognized by the Syndicate as equivalent to above.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines.

Titles of Syllabi :

Paper Code	Title of the Paper	Paper Code	Title of the Paper
SEMESTER-I			
M.LIB-01	Foundations of Library and Information Science	M.LIB-03	Knowledge Organisation : Cataloguing (Theory)
M.LIB-02	Knowledge Organisation : Classification (Theory)	M.LIB-04	Information and Communication Technology : Basics
SEMESTER-II			
M.LIB-05	Management of Library and Information Centers	M.LIB-07	Knowledge Organisation : Cataloguing (Practice)
M.LIB-06	Knowledge Organisation : Classification (Practice)	M.LIB-08	Information Sources and Service (Theory)
SEMESTER-III			
M.LIB-09	Information Sources and Services (Practice)	M.LIB-11	Information Storage and Retrieval
M.LIB-10	Information and Communication Technology : Applications (Theory and Practice)	M.LIB-12	Research Methods and Statistics Techniques
SEMESTER-IV			
M.LIB-13	Information and Communication	M.LIB-16	Management of Library Systems : Option A - Public Library System Option B - Academic Library System Option C - Special Library System
M.LIB-14	Information Analysis, Consolidation and Repackaging		
M.LIB-15	Information Systems : Option A- Social Science Information Sources and Systems Option B-Business Information Sources and Systems Option C - Health Science Information Sources and Systems		

Thrust Areas

Academic and Special Library Systems, Education for Library & Information Science, User's Information seeking Behaviour, Scientometrics, Open Access, ICT application in Library & Information Centers, etc.

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 B.Sc. (Honours School) students. The Department strives to provide the students an extensive exposure to Western and Indian Philosophical Traditions and an intensive training in 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 interests particularly in Humanities and Social Sciences in the Faculties of Arts, Languages, Design & Fine Arts.

Faculty

Particulars	Name	Field of Research Specialization
Prof. Emeritus	Dharmendra Goel	<i>Philosophy of History & Culture, Analytical Language</i>
Prof. Re-employed	Geeta Manaktala V. T. Sebastian	<i>Philosophy of Language, Philosophy of Culture Phenomenology & Existentialism</i>
Professor	Dharmanand Sharma Asha Maudgil H. P. Sah	<i>Indian Philosophy Philosophy of Mind, Philosophy of Language Philosophy of Science, Philosophy of Religion</i>
Associate Professor	Shivani Sharma (Chairperson)	<i>Indian Philosophy, Aesthetics</i>
Assistant Professor	Lallan Singh Baghel	<i>Socio and Political Philosophy, Philosophy of Mind</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M. A.	40	2 years (Semester System)	As prescribed in Section 7.1 of Rules for Admissions
M.Phil.	10	1 year (2 Semesters)	See General Important Guidelines.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines.

Title of Syllabi :**MA.****SEMESTER-I**

Paper - 101 - PPS	:	Introduction to Philosophical Psychology	Paper - 103 - CIP	:	Classical Indian Philosophy (Indian Metaphysics)
Paper - 102 - WPH	:	Western Philosophy (History of Greek Philosophy)	Paper - 104 - LOG	:	Logic (Part - I)

SEMESTER-II

Paper - 201 - PPS	:	Philosophical Psychology (Debates in Philosophical Psychology)	Paper - 203 - CIP	:	Classical Indian Philosophy (Indian Epistemology)
Paper - 202 - WPH	:	Western Philosophy (Modern Western Philosophy)	Paper - 204 - LOG	:	Logic (Part - II)

SEMESTER-III

Compulsory

Paper - 301 - CWP : 20th Century Western Philosophy (Philosophy of Language) Paper - 302 - ETH : Ethics (Concepts and Theories in Ethics)

Optional (Any Two)

Paper - 303 - SPP : Social and Political Philosophy (Concepts and Theories in Social and Political Philosophy) Paper - 306 - PHC : Philosophy of History & Culture (Philosophy of History)
Paper - 304 - POR : Philosophy of Religion (Part-I) Paper - 307 - POS : Philosophy of Science
Paper - 305 - AES : Aesthetics : Indian & Western (Part - I)

SEMESTER-IV

Compulsory

Paper - 401 - CWP : 20th Century Western Philosophy (Existentialism, Phenomenology & Hermeneutics) Paper - 402 - ETH : Ethics (Applied Moral Philosophy)

Optional (Any Two)

Paper - 403 - SPP : Social and Political Philosophy (Major Theories in Social and Political Philosophy) Paper - 406 - PHC : Philosophy of History & Culture (Philosophy of Culture or Modern Indian Thoughts)
Paper - 404 - POR : Philosophy of Religion (Part - II) Paper - 407 - POS : Philosophy of Science
Paper - 405 - AES : Aesthetics : Indian & Western (Part - II)

Thrust Areas

Indian Philosophy, Ethics, Existentialism, Aesthetics, Social Philosophy and Phenomenology.

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 Special Assistance. The Department has recently been upgraded from DSA II to DSA III for a period of five years beginning from April, 2009. The Department invites distinguished visiting scholars and holds workshops and conferences under this programme. In addition, the department also annually hold Shahid Bhagat Singh Memorial Lecture and Professor Pradeep Kumar Memorial Lecture. It has a vibrant Political Science Society, membership to which is compulsory for all the students.

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	<i>International Relations/Geopolitics</i>
Prof.Re-employed	Bhupinder Brar	<i>International Relations /Political Theory</i>
Professors	Sanjay Chaturvedi	<i>International Relations/Geopolitics/Indian Ocean/Polar Regions</i>
	Ronki Ram	<i>International Relations/Dalit Politics</i>
	Ashutosh Kumar	<i>Indian Politics/State Politics in India</i>
Associate Professors	Deepak K. Singh	<i>International Relations/Migration in South Asia</i>
	Pampa Mukherjee (Chairperson)	<i>Development Politics Environment</i>
Assistant Professors	Navjot	<i>Political Thought/Dalit Politics</i>
	Janaki Srinivasan	<i>Development Studies, Political Theory, Gender Studies</i>
	Kailash K. K.	<i>Indian Politics - Federalism</i>
	(on leave)	

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	68	2 years	As prescribed in Section 7.1 of Rules for Admissions.
M.Phil.	15	1 year	See General Important Guidelines.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines.

Title of Syllabi :

MA.

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

Course I	: Western Political Thought-I	Course III	: Indian Political System
Course II	: Key Concepts in Political Analysis	Course IV	: International Relations : An Historical Overview

SEMESTER-II

Course V	: Western Political Thought- II	Course VII	: Indian Politics
Course VI	: Comparative Politics-I : Understanding Advanced Industrial Societies	Course VIII	: Approaches to the Study of International Relations.

SEMESTER-III

- Course IX : Indian Political Thought-I (Compulsory)
- Course X : Comparative Politics-II : Understanding Developing Societies (Compulsory)
- Or
- Comparative Political Systems with special reference to USA, UK, China, Japan & Switzerland (compulsory)
- 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: Critical Perspectives
 - Option (f) Theories of Development
 - Option (g) Public International Law-I

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 : Past and Present
- Option (f) New Political Geography in Comparative Perspective
- Option (g) Policies and Politics of Development in India
- Option (h) Public Administration

SEMESTER-IV

Course XIII : Indian Political Thought-II (Compulsory)

Course XIV : Foreign Policy of India (Compulsory)

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

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. (Psychology) is a two year course with Semester System of examination. The eligibility for admission to M.A. (Psychology) is that the candidate has offered and passed in the subject of Psychology at the B.A. level (three year course) examination.

Courses offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	68+9NRI	2 years	i) A Bachelor's degree obtaining at least 45 per cent marks in the subject and 50% marks in aggregate for admission to Postgraduate Course ii) B.A. (with Honours) in the subject of Psychology
Post M.A. Diploma in Professional Counselling and Psychotherapy	23+3NRI	1 year	M.A. Psychology with 55% marks Admission on merit basis
Post M.A. Diploma in Psychological Testing	23+3NRI	1 year	M.A. Psychology with 55% marks Admission on merit basis
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

Title of Syllabi

MA.

SEMESTER-I

- | | |
|--|--|
| 1. Theories and Systems-I | 4. Research Methodology and Statistics-I |
| 2. Social Psychology-I | 5. Practicum |
| 3. Experimental and Cognitive Psychology-I | |

SEMESTER-II

- | | |
|---|---|
| 1. Theories and Systems-II | 4. Research Methodology and Statistics-II |
| 2. Social Psychology-II | 5. Practicum |
| 3. Experimental and Cognitive Psychology-II | |

SEMESTER-III

- | | |
|--|---|
| 1. Organizational Psychology-I | 8. Sports Psychology-I |
| 2. Child Psychopathology - I | 9. Positive Psychology-I |
| 3. Life Span Developmental Psychology -I | 10. Health Psychology -I |
| 4. Clinical Psychology : Psychodiagnostics | 11. Media Psychology-I |
| 5. Clinical Disorders | 12. Behavioral Economics |
| 6. Counselling Psychology : Professional Foundation | 13. Research Methodology and Statistics - I |
| 7. Counselling Psychology : Approaches and Appraisal | 14. Practicum |

SEMESTER-IV

- | | |
|---|--|
| 1. Organizational Psychology - II | 7. Life Span Developmental Psychology -II |
| 2. Industrial Psychology | 8. Child Psychopathology -II |
| 3. Clinical Psychology : Prevention and Intervention | 9. Health Psychology -II |
| 4. Sports Psychology - II | 10. Para Psychology |
| 5. Applied Counselling: Specialties in Practice of Counseling | 11. Positive Psychology-II |
| 6. Applied Counselling: Educational and Career Counseling | 12. Media Psychology - II |
| | 13. Research Methodology and Statistics -II (Compulsory) |
| | 14. Practicum |

Ph.D.

Faculty members are available for research guidance for Ph.D. scholars in the fields of cognitive psychology, health psychology, media psychology, personality, psychometrics, intelligence, social psychology, mental retardation, motivation, diagnostic testing, organizational behaviour, clinical psychology and sports psychology .

There are two well equipped laboratories with modern recording and timing apparatuses and large number of tests for the measurement of personality, intelligence, aptitudes, attitudes and other phenomena.

Thrust Areas:

Pure and Applied Psychology: Psychopathology, Media Psychology, Health Psychology, Clinical Psychology, Personality, Counselling, Testing, Sports Psychology and Cognitive Psychology etc.

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 142 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 Department for International Development (DFID), U.K.; Canadian International Development Agency, Commonwealth Youth Programme Asia and University Grants Commission.

The alumni of the Department are well placed academics and administrators. The Department has successfully conducted training programmes for civil servants, executives of public enterprises and other government officials, besides organizing refresher courses and seminars on various aspects of Public Administration from time to time.

Faculty

Particular	Name	Field of Research Specialization
Professors	B.S. Ghuman	<i>Economic Administration & Public Enterprise Management including privatization; Poverty and Sustainable Development; Research Methodology; Educational Administration; E-Governance; Decentralization Public Policy; Regulatory Administration</i>
	Ramanjit Kaur Johal	<i>Public Policy; Voluntary Sector Administration; Social Policy & Welfare Administration; Initiatives in Peoples' Participation; Management Information Systems and E-governance; Administrative and Office Management; Good Governance; Public Enterprise Management</i>
	Charanjeev Singh	<i>Financial Administration and Management; Local Government; Computer Applications; Public Enterprise Management; Poverty Alleviation Programmes (Urban & Rural)</i>
Associate Professor (Re-employed)	Sudhir Sharma	<i>Personnel Management and Industrial Relations; Industrial Psychology; Labour Welfare & Administration.</i>
Assistant Professors	Komal Singh (Chairperson)	<i>Administrative Law; Administrative Theory; Development Administration; Local Government in India</i>
	Navreet Kaur	<i>Social Welfare Administration</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	60**+9 NRI	2 years (4 Semesters)	As prescribed in Section 7.1 of Rules for Admissions

M.Phil.	10+2 NRI+2*** 1 year (2 Semesters)	See General Important Guidelines
Ph.D.	Subject to availability	3-5 years See General Important Guidelines.

The M.A. Programme in Public Administration (Semester System) has three main features :

1. It is job-oriented.
2. It is multi-disciplinary
3. The curriculum integrates theoretical and practical perspectives in the field of Public Administration. In Semester-I & II, the courses are common for all whereas in Semester-III & IV, students are given a choice of specializing in various functional areas of Public Administration. The sequence of courses has been scientifically planned in such a way that they constitute building-blocks for four groups of specialization. The specialized groups which are allocated in Semesters III & IV are as under:

Group A: Applied Development Administration (with special reference to India)

Group B: Economic Administration (with special reference to India)

Group C: Human Resource Management (with special reference to India)

Group D: Administrative Management (with special reference to India)

At least 10 seats are allocated to each group. The remaining seats are allocated to various groups in proportion to the number of applications in each group. The allocation to various groups is on the basis of merit-cum-preference. The groups for Semesters III & IV are allocated to the students by the Board of Control in Public Administration well before the commencement of Semester-III.

Eligibility for admission to M.A. Semester-I is given in general section of this Handbook. Depending on the availability of seats and the rules in force admission to M.A. Semester-III to candidates from the University School of Open Learning/affiliated Colleges of Panjab University may also be allowed by the Board of Control.

Guidelines for admission to M.A. (Public Administration) for the candidates who have studied the related Social Sciences i.e. Economics, Political Science, Sociology, and Psychology at the graduation level, for filling ten seats under this category.

The merit of the candidates admitted under this category shall be calculated by adding the marks secured in any of the four social sciences i.e. Economics, Political Science, Sociology, and Psychology in B.A. I, II & III to the aggregate score at the graduation level. Due weightage for Honours in the these social sciences shall be given to the candidate to be admitted under this category also.

There shall be three merit lists: First, consisting of those candidates who did their B.A. with the subject of Public Administration; the second, of those who have not studied the subject at the undergraduate level. The first merit list shall be taken up first for admitting the students to M.A. Programme and the second one after the first merit list is exhausted.

** Out of the total, 10 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. (Guidelines for admission to these seats are given below).

*** Reserved for the permanent teachers of affiliated colleges.

The Third Merit List will be prepared for filling ten seats reserved exclusively for the candidates who have studied related social sciences i.e. Economics, Political Science, Sociology, and Psychology at the graduation level. The reservation rules will apply to this category also. In case there are vacant seats under this category, these seats on merit basis will be filled from the first/ second merit lists.

M.Phil. Programme

It is a two semester course. First semester consists of three papers. Two papers and a dissertation constitute the second semester.

Note: It has been decided by the Board of Control that 80% weightage is to be allocated to semester examination and 20% to written assignments and seminars in every paper.

Ph.D. Programme

The Department provides instructions and research guidance for a doctoral degree. Eligibility for admission to Ph.D. Programme in Public Administration is according to prescribed Panjab University rules and regulations.

Title of Syllabi

M.A.

SEMESTER-I

Papers

- | | | | |
|-----|-----------------------------------|----|-----------------------------------|
| I | - Administrative Theory | IV | - Public Personnel Administration |
| II | - Organisational Behaviour | V | - Indian Economic System |
| III | - Public Financial Administration | VI | - Indian Social System |

SEMESTER-II

Papers

- | | | | |
|-----|------------------------------------|----|--------------------------------|
| I | - Administrative Thought | IV | - Administrative Law |
| II | - Research Methods | V | - Indian Political System |
| III | - Public Policy and Administration | VI | - Indian Administrative System |

SEMESTER-III

Note: Students of all the Groups have to take a total of 5 papers including the 3 compulsory papers.

Papers

- I Development Administration (**Compulsory for all groups**)

Group A : Applied Development Administration (with special reference to India)

- | | | | |
|-----|--|-----|---|
| II | Social Policy and Welfare Administration
(Compulsory) | V | Administration of Non-Government
Organisations |
| III | People's Empowerment and Rural
Governance (Compulsory) | VI | Public Health Policy and Administration |
| IV | Disaster Management | VII | Dissertation (Note: Eligibility for this option
is minimum 50% of the aggregate marks in
M.A. Semester I and II). |

Group B : Economic Administration (with special reference to India)

- | | | | |
|-----|---|-----|---|
| II | Economic Administration (Compulsory) | VI | Corporate Governance |
| III | Company and Cooperative Law (Compulsory) | VII | Dissertation (Note: Eligibility for this
option is minimum 50% of the aggregate
marks in M.A. Semester I and II). |
| IV | Human Resource Management | | |
| V | Financial Management | | |

Group C : Human Resource Management (with special reference to India)

- | | |
|--|---|
| II Social Policy and Welfare Administration | VI Corporate Governance |
| III Labour Economics (Compulsory) | VII Dissertation (Note: Eligibility for this option is minimum 50% of the aggregate marks in M.A. Semester I and II). |
| IV Human Resource Management (Compulsory) | |
| V Administration of Non-Government Organisations | |

Group D : Administrative Management (with special reference to India)

- | | |
|--|---|
| II Administrative and Office Management (Compulsory) | VI Corporate Governance |
| III Management of Disciplinary Proceedings | VII Dissertation (Note: Eligibility for this option is minimum 50% of the aggregate marks in M.A. Semester I and II). |
| IV Human Resource Management | |
| V Administration of Non-Government Organisations (Compulsory) | |

SEMESTER-IV

Note : Students of all the Groups have to take a total of 5 papers including the 3 compulsory papers.

Papers

- I Emerging Areas in Public Administration (**Compulsory for all groups**)

Group A : Applied Development Administration (with special reference to India)

- | | |
|---|--|
| II Education Policy and Administration (Compulsory) | IV Police Administration |
| III People's Empowerment and Urban Governance (Compulsory) | V International Administration |
| | VI Information Technology and Computer Applications in Public Administration |

Group B : Economic Administration (with special reference to India)

- | | |
|---|--|
| II Public Enterprise Management (Compulsory) | V Project Management (Compulsory) |
| III Marketing Management | VI Information Technology and Computer Applications in Public Administration |
| IV Industrial Relations | |

Group C : Human Resource Management (with special reference to India)

- | | |
|---|--|
| II Labour Laws (Compulsory) | V Labour Policy and Administration |
| III Organisational Psychology (Compulsory) | VI Information Technology and Computer Applications in Public Administration |
| IV Industrial Relations | |

Group D : Administrative Management (with special reference to India)

- | | |
|---|--|
| II Techniques of Administrative Improvement (Compulsory) | V Project Management |
| III Organisational Psychology | VI Information Technology and Computer Applications in Public Administration |
| IV Industrial Relations | (Compulsory) |

Thrust Areas

The thrust areas in the subject of Public Administration are – Public Policy, Administrative Theory, Human Resource, Financial, Social and Economic Administration. Apart from these, the areas of research and teaching include Development Administration; Health, Education, and Public Enterprise Management and Computer Applications.

DEPARTMENT OF SOCIOLOGY

About the Department

The Department of Sociology, located in Arts Block IV, Panjab University was established in 1960. Recognizing its academic and research excellence, the University Grants Commission awarded the status of Special Assistance Program 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 for their Ph.D. program in the Department

The Department has a long tradition of holding National and International seminars, workshops and symposia. For the last 51 years, 'Wednesday Seminar' has been its hallmark bringing together scholars, professionals and social activists interested in sociologically relevant issues as initiators of discussions.

Faculty besides teaching and research is much sought after for extension and guest lectures in various Universities and organizations. Apart from Research Projects of academic nature, the faculty members have also been involved in various Policy/Program Support Research Projects from time to time.

Faculty

Particular	Name	Field of Research Specialization
Professors Re-employed	Manjit Singh	<i>Political Economy of Labour Political Sociology Stratification</i>
	Krishan Kumar Bansal	<i>Social Statistics Queuing Systems Social Problems</i>
	M.K. Teja	<i>Family and Gender Studies, Social Problems, Sociology of Deviance</i>
Professors	Sherry Sabbarwal	<i>Development Studies Entrepreneurship Organizational Behaviour Women's Studies Human Rights, Media & Culture</i>
	Kiran Preet Kaur (Chairperson)	<i>Sociology of Organization Industrial Sociology Entrepreneurial Studies</i>
	Rajesh Gill	<i>Urban Studies Research Methodology Poverty and Slums Gender Studies</i>
Associate Professor	Kumool Abbi	<i>Cultural Studies Gender Studies Development Studies</i>
Assistant Professors	Rani Mehta	<i>Development Studies, Education Population Studies</i>
	Moniva Sarkar	<i>Terrorism Gender Issues</i>
	Vinod Kumar	<i>Environmental Crises and Development, Migration, Diaspora Urban Sociology, Population Studies, Women Studies</i>

Courses Offered

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	68+9NRI	2 years	As prescribed in Section 7.1 of Rules for Admissions.
M.Phil.	15	1 year	See General Important Guidelines.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines.

Title of Syllabi**M.A.****SEMESTER-I**

Course No.	Title	Course No.	Title
SOC R 411	History of Social Thought	SOC R 413	Sociology of Development
SOC R 412	Sociology of Family and Gender	SOC R 414	Social Stratification : Concepts & Theories

SEMESTER-II

SOC R 425	Positivistic Sociological Theories	SOC O 921	Peasants and Rural Society in India
SOC R 426	Methodology of Social Research		
SOC O 521	Population and Society	SOC O 922	Organizational Theory and Behaviour
SOC O 621	Social Dimensions of Development		
SOC O 721	Sociology of Urban Settlements	SOC O 923	Basic Social Statistics
SOC O 821	Structural Moorings of Gender Oppression		

SEMESTER-III

SOC R 438	Interpretive Sociological Theories	SOC O 931	Sociology of Aging
SOC R 439	Methods & Techniques in Social Research	SOC O 932	Organizational Structure and Development
SOC O 532	Basic Methods in Population Studies	SOC O 933	Sociology of Deviance: Concepts and Theories
SOC O 632	Social Development in India		
SOC O 633	Rural Development in India	SOC O 934	Sociology of Crime
SOC O 732	Problems of Urban India	SOC O 935/945	Dissertation (IIIrd and IVth Semesters)*
SOC O 832	Family in Cross Cultural Perspective	SOC O 936	Advanced Social Statistics

SEMESTER-IV

SOC R 440	Perspectives on Indian Society	SOC O 844	Gender and Development
SOC O 543	Determinants and Consequences of Population Growth	SOC O 941	Fundamentals of Industrial Sociology
SOC O 544/744	Sociology of Human Migration	SOC O 942	Social Problems
SOC O 644	Environmental Crisis and Sustainable Development	SOC O 943	Political Sociology
SOC O 645	Entrepreneurship and Development	SOC O 944	Sociology of Marginalized Communities
SOC O 743	Cities, Urban Planning and Development	SOC O 945/935	Dissertation (IIIrd and IVth semesters)*
SOC O 843	Family Dynamics in Contemporary India	SOC O 946	Media and Culture

* Note : Since the Semester system in M.A. Sociology is being introduced in colleges *Dissertation* SOC O 935/945 shall continue to be offered only in the Department and USOL. Its introduction in the colleges shall be subject to approval by concerned University authorities as per University norms.

The Dissertation (SOC O 935/945) will carry 8 credits (200 marks) and will spread over two Semesters, i.e. Semesters III and IV. Only those students who have scored 480 marks during the 1st year (1st and 2nd semesters), taking not more than a total of 32 credits, will be allowed to take up dissertation.

M. Phil.

Outlines of tests, syllabi and courses of reading in the subject of Sociology for M. Phil. Course as recommended by the Board of Control in Sociology.

SEMESTER-I

All papers are compulsory

Paper-I SO-701	: Contemporary Issues in Sociology	4 Credits
Paper-II SO-702	: Research Methodology	4 Credits
Paper-III SO-703	: Seminar Course	2 Credits

SEMESTER-II

One paper shall be opted for

Paper-I (from SO-704-717)–4 Credits

The student may opt for one paper of her/his choice out of the one or more papers offered, based on the availability of the faculty. The paper will be of 100 marks with 75 marks for the theory paper and 25 marks for the internal assessment based on term paper/presentation and class performance.

Paper No.	Title	Credit	Paper No.	Title	Credit
(Optional)					
SO 704	Education and Modernization	4	SO 711	Industrialization and Labor	4
SO 705	Sociology of the Underprivileged	4	SO 712	Law and Society in India	4
SO 706	Demographic and Health Transition in India	4	SO 713	Patterns of Urbanization in Developing Countries with special reference to Asia and Africa	4
SO 707	Political Sociology of the Peasantry	4	SO 714	Integration and Conflict in Plural Societies	4
SO 708	Development Studies & Globalization (with special reference to the Asian Development Experience)	4	SO 715	Social Policy and Gender Issues	4
SO 709	Communication and Development	4	SO 716	Family Demography	4
SO 710	Philosophical Foundations of Social Theory	4	SO 717	Sociology of Family Violence	4

NOTE : Papers for M.Phil. will be offered depending upon the availability of the faculty.

Paper-II SO-700 : Dissertation–10 Credits

The student shall prepare a dissertation under the supervision of a teacher appointed by the Board of Control in Sociology. She/he should also demonstrate the skills for the formulation of the research problem and the application of the tools of research. The marks for the dissertation will be 250 (200 marks for the dissertation and 50 for the viva voce examination).

Course work for Ph.D. in Sociology

INSTRUCTIONS

There will be three compulsory papers in the Course Work for Ph.D. in Sociology. Paper I & II will be of 100 marks each with 75 marks for the theory paper and 25 for the internal assessment. Paper III will also be of 100 marks with 40 marks for 2 assignments with presentations, 40 marks for 2 Book Reviews and 20 marks for preparation of a list of Readings.

Details of the three papers are as follows :

Paper I Contemporary Issues in Sociology–4 Credits

Paper II Research Methodology–4 Credits

Paper III Assignments/Readings/Presentations (Specific to the specialized area)–4 Credits

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)

SCHOOL OF COMMUNICATION STUDIES

About the Department

The School of Communication Studies at Panjab University is the oldest in South Asia, having started its innings 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. The school prepares the students to perform a vital and challenging function of finding out the truth amid complicated situations, usually under a time constraint, and communicating it in a clear, engaging fashion to the public. The school also educates scholars of communications and journalism, and functions as a significant guiding force in journalism and inculcates in its 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.

Our post graduate/degree programmes - PhD in Mass Communication, Master of Arts (Journalism and Mass Communications), PG Diploma in Hindi Journalism, PG Diploma in Punjabi Journalism, are intensive, rigorous and demanding. The quality, vitality and innovation of our programs remain unsurpassed, providing the foundation and opportunity for students not only to succeed, but to shape the future of journalism and mass communication. Our students availed internship in prestigious media organizations.

Our faculty is experienced, independent thinkers with a history of professional accomplishment who are deeply committed to teaching, challenging, and supporting their students. 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 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.

School of Communication Studies is committed to creating and supporting a community diverse in every way: race, ethnicity, geography, religion, academic and extracurricular interest, family circumstance, sexual orientation, socio-economic background and more. We offer a curriculum as pluralistic and polyphonic as India itself and a community of scholars who embody this commitment to diversity and who encourage discussion and debate.

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. Having started its journey with just a half-an-hour broadcast per day, today the station proudly offers four broadcasts a day that include a total of nine programs running for over 10 hours.

The aim of setting up the CRS is to impart knowledge and information related to education, health, environment, social, cultural and local issues and announcements specific to the community, and to provide a platform for showcasing the talents and expertise of the local people in the vicinity of the CRS which comprises of 30 villages. The CRS also acts as a training ground for the community and also for the students of electronic media.

An Educational Multimedia Research Centre (EMMRC) is on its way to be set up in the School of Communication Studies. The foundation stone of the Centre was laid on 13th February, 2011. The EMMRC will be linked with the EMMRCs all over the country for making education more inclusive. The centre will also be able to produce socially relevant documentaries.

Faculty

Particulars	Name	Field of Research Specialization
Professor	Sanjay Wadwalkar	<i>Advertising & Communication</i>
Associate Professors	Jayanth N. Pethkar <i>(Chairperson)</i>	<i>Advertising & Public Relations</i>
	Archana R. Singh	<i>Media Management, History of Print Media, Print Media Journalism, Health Communication, New Media & Online Journalism</i>
	Mohanmeet Khosla	<i>Media Ethics & Laws, Feature Writing, Graphic Designing, Print Media, New Media & Computer Mediated Communication</i>
Assistant Professors	Sumedha Singh	<i>Development Communication, Print Media</i>
	Bhavneet Bhatti	<i>Advertising & Public Relations</i>

Part Time Faculty : Professional from various organizations including Print, Electronic Media, Public Relations & Advertising.

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSIONCRITERIA
M.A. (Journalism & Mass Communication)	30+5 NRI	2 years	Bachelor's degree obtaining at least 45% marks in the subject of Journalism & Mass Communication Or Bachelor's degree in any subject attaining at least 50% marks in the aggregate. B.A./B.Sc. with Honors in Journalism & Mass Communication or Master Degree Examination in any subject. Admission based on an P.U.–CET (P.G.)
P.G. Diploma in Advertising & Public Relations	15	1 year	Bachelor's degree from this University or another recognized University. Admission based on Entrance Test at departmental level.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

Title of Syllabi

M.A.

SEMESTER-I

Paper I	Introduction to Communication	(100 Marks) 4 credits Theory Exam = 75 Internal Assessment = 25	Paper IV	Radio & TV Communication-I	(100 Marks) 4 credits Theory Exam = 75 Internal Assessment = 25
Paper II	Basics of Print Journalism	(100 Marks) 4 credits Theory Exam = 75 Internal Assessment = 25	Paper V	Print Media Ethics & Laws	(100 Marks) 4 credits Theory Exam = 75 Internal Assessment = 25
Paper III	Growth & Development of Print Media	(100 Marks) 4 credits Theory Exam = 75 Internal Assessment = 25	Paper VI	Practicals	(100 Marks) 4 credits Student Reporter 30 Tele News Board 15 Broadcast Board 30 Practicals Communication Theory 10 Practicals Computer Applications 15

SEMESTER-II

Paper I	Communication Theory	(100 Marks) 4 credits Theory Exam = 75 Internal Assessment = 25	Paper IV	Radio & TV Communication-II	(100 Marks) 4 credits Theory Exam = 75 Internal Assessment = 25
Paper II	Print Journalism	(100 Marks) 4 credits Theory Exam = 75 Internal Assessment = 25	Paper V	Media Management	(100 Marks) 4 credits Theory Exam = 75 Internal Assessment = 25
Paper III	Editing and Design for Print Media	(100 Marks) 4 credits Theory Exam = 75 Internal Assessment = 25	Paper VI	Practicals	(100 Marks) 4 credits Student Reporter Tele News Board Broadcast Practicals Communication Theory Practicals Computer Applications

SEMESTER-III

Paper I	Advertising	(100 Marks) 4 credits Theory Exam = 80 Internal Assessment = 20	Paper IV	Interpretative Journalism	(100 Marks) 4 credits Theory Exam = 80 Internal Assessment = 20
Paper II	Public Relations	(100 Marks) 4 credits Theory Exam = 80 Internal Assessment = 20	Paper V	Development Communication	(100 Marks) 4 credits Theory Exam = 80 Internal Assessment = 20
Paper III	Communication Research Methods	(100 Marks) 4 credits Theory Exam = 80 Internal Assessment = 20	Paper VI	Major Project Report Minor Project Reports/Position Papers 1 project/position paper in each of the 5 papers Computer Applications	(100 Marks) 4 credits 40 Marks 5x10=50 Marks 10 Marks

SEMESTER-IV

Paper I	Advertising	(50 Marks) 2 credits Theory Exam = 40 Internal Assessment = 10	Paper III	Communication Research Practice	(50 Marks) 2 credits Theory Exam = 40 Internal Assessment = 10 (50 Marks)
Paper II	Public Relations	(50 Marks) 4 credits Theory Exam = 40 Internal Assessment = 10	Paper IV	Investigative Journalism	2 credits Theory Exam = 40 Internal Assessment = 10

Specialization/Optional Papers (any two options have to be taken)

Paper V	Advertising Copy Writing: Theories of Hopkins & Ogilvy or a two-credit paper from *allied disciplines.	(50 Marks) 2 credits Theory Exam = 40 Internal Assessment = 10	Paper IX	Inter-cultural Communication	(50 Marks) 2 credits Theory Exam = 40 Internal Assessment = 10 (50 Marks)
Paper VI	Corporate Communication or a two-credit paper from *allied disciplines.	(50 Marks) 2 credits Theory Exam = 40 Internal Assessment = 10	Paper X	Communication Skill	2 credits Theory Exam = 40 Internal Assessment = 10 (100 Marks)
Paper VII	Computer Mediated Communication or a two-credit paper from *allied disciplines.	(50 Marks) 2 credits Theory Exam = 40 Internal Assessment = 10	Paper XI	Dissertation	4 credits
Paper VIII	Online Journalism or a two-credit paper from *allied disciplines.	(50 Marks) 2 credits Theory Exam = 40 Internal Assessment = 10		Dissertation: Continuous evaluation Summative evaluation Viva voce	25 50 25
			Internship		50 Marks 2 credits

Thrust Area

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

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

About the Centre

Social Work is the discipline of Natural Sciences; the Social Sciences too have been compelled to move 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 root 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 the purpose. Imparting training in Social Work has also been necessitated by the growing need for partnerships between the State, Civil society and the Non-governmental & private actors in an effort to bring all sections of society under the ambit of development.

The Panjab University has started Masters of Social Work (M.S.W.) degree programme that combines education, practice, and community service 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 and address social problems. The mission is that our students shall be the job creators and not only the job seekers.

Faculty :

Coordinator	:	Kiran Preet Kaur	
Professor	:	1 (Vacant)	
Associate Professor	:	1 (Vacant)	
Assistant Professors	:	Gaurav Gaur	Monica Munjial Singh
Field Supervisor	:	Prashant Sharma	

Courses Offered : (1) Masters in Social Work (MSW) (2) Ph.D. Programme (Social Work)

About the Course

Social Work, catering to the socially marginalized, poor, deprived and the disadvantaged groups is a professional course providing inputs towards partnerships between the State, Civil society and the non-governmental & private sectors, in an effort to bring all sections of society under the ambit of development. The “mission” is that our students shall be the job creators and not only the job seekers.

The course has a heavy component of field work, with supervised field visits for at least two days a week, thus providing an enormous exposure to students about the structure and functioning governmental and non-governmental organizations and communities in rural and urban set ups.

JOB AVENUES

Students with Masters in Social Work

- (i) Project Officers, Programme Coordinators, Development Consultants, Field-Officers, Counsellors in both International and National Organization, NGOs, Industries undertaking CSR etc.
- (ii) Consultants in Government/International Agencies.
- (iii) Lecturers, Instructors in Institutions of Higher Education.
- (iv) Social Workers in the areas of Family Welfare, Child, Youth & Women Development, Poverty, Slums and Urban Development and Community Health etc.

SEATS :

(i) Masters in Social Work	
Total Intake	= 34
Open	= 30
NRI	= 04
(ii) Ph.D. Programme	
Seat : Subject to availability	

(i) **Masters in Social Work**

PATTERN OF EXAMINATION

The Course will spread over four Semesters. There will be examination after every semester.

MODEL OF EVALUATION

- (i) Written Examination after every Semester.
- (ii) Internal Assessment based on one Written Test, one Snap Test, Term paper and Attendance in each semester.
- (iii) Field Work : Weekly reports, Summary reports, viva voce at the end of semester.

Eligibility Conditions

The candidates having completed a Bachelor's degree of the three years duration from the Panjab University any or other recognized University.

The eligibility criteria are as under :

- (i) Any person with a Bachelor's degree or its equivalent (10+2+3) in any discipline with minimum 50% marks from a recognized University is eligible to apply.
- (ii) The candidates who have appeared/are appearing in the final year of the Bachelor's degree are also eligible to apply.
- (iii) The candidates belonging to the SC/ST shall be allowed 5% relaxation in the eligibility requirements.

MODE OF ADMISSION

Admission will be through qualifying examination and Entrance Test to be conducted at departmental level. Candidates satisfying the eligibility requirement will be assessed for selection through the following selection procedure.

- (A) Qualifying Examination (50% weightage)
- (B) Entrance Test (50% weightage)

(A) Qualifying Examination

The candidate's merit list will be prepared by normalizing the total marks obtained by the candidates in the Graduation (B.A./B.Sc./B.Com. etc.) out of 50.

It is to be illustrated as under :

If a candidate has obtained 1200 (marks obtained) out of 2400 (Grand total) his/ her marks would be

$$1200 \div 2400 \cdot 50 = 25$$

(B) Entrance Test

Entrance test will comprise of :

- 1. Written test (25% weightage)
- 2. Group Discussion (15% weightage)
- 3. Interview (10% weightage)

Written Test

All candidates are required to secure minimum of 35% marks in Entrance test (i.e. written, group discussion and personal interview) to qualify for admission. The written test will be of 50 objective type questions. The duration of the test will be of 40 minutes. The medium of examination is English only. The Entrance test paper is designed to assess the aptitude of the candidate for Social Work.

MAJOR AREAS OF SPECIALIZATION

- Family and Social Work.
- Contemporary Issues in Rural and Urban Communities
- Population, Health and Development

Title of Syllabi

SEMESTER-I

Code No.	Course Title	Code No.	Course Title
CSW 111	Social Work- Concepts and Methods	FSW 211	Research Methodology
CSW 112	Evolution & Contemporary Ideologies of Social Work	FSW 212	Sociology for Social Work

• Concurrent Field Work/Practicum

SEMESTER-II

CSW 123	Social Work Practice	FSW 223	Women, Society and Development
CSW 124	Understanding Communities	FSW 224	Development and Social Work

• Concurrent Field Work/Practicum

SEMESTER-III

SWP 331	Working with Families	SWP 432	Indian Rural Communities and Change
SWP 332	Aging and Social Work	SWP 531	Social Demography
SWP 431	Community Organization and Development	SWP 532	Health and Development

• Concurrent Field Work/Practicum

SEMESTER-IV

SWP 343	Child and Youth Development	SWP 444	Poverty, Slums and Urban Development
SWP 344	Statistics in Social Work	SWP 543	Persons with Disability and Social Work
SWP 443	Community Participation in Urban Management	SWP 544	Community Health

• Concurrent Field Work/Practicum

• Rural Camp (One Week)

• Internship (Four Weeks after 2nd Semester)

• Block Placement (Six Weeks after 4th Semester)

(ii) Doctor of Philosophy

The Centre provides instructions and research guidance for a Doctoral degree in Social Work. Eligibility for admission to Ph.D. programme is according to prescribed Panjab University rules and regulations.

CENTRE FOR POLICE ADMINISTRATION

About the Department/Centre :

The Course on Police Administration was started in the Centre for Emerging Area in Social Science, 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 Science (UIEASS) in 2010.

The Programmes in Police Administration have been conceived with a view to : (i) provide quality human resources with relevant knowledge of Police issues; (ii) fulfill the ever increasing requirement of security agencies; (iii) undertake research on various aspects of policing for generating knowledge and suggesting improvements to Police establishments; (iv) conduct Training Programme 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

Particular	Name	Field of Research Specialization
Professor	Anil Monga (Coordinator)	<i>New Public Management; E-Governance; Research Methodology; and Police Administration</i>
Assistant Professors	Akshat Mehta	<i>Police Administration; Correctional Administration; Criminology; and Regulatory Governance</i>
	Kuldeep Singh	<i>E-Governance; Police Personnel Administration; Research Methodology; Criminology; Organization Behaviour; and Indian Political Administration.</i>

Course Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	Total Intake =46 Open =30 *Reserved for nominated/ in-service police personnel =10 NRI =06 *(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).	2 years	The candidates seeking admission to M.A. in Police Administration shall possess : (i) Bachelor's degree in any discipline/ faculty with at least 50% marks. OR (ii) Mater's degree in any discipline/ faculty with at least 50% marks. Nominated/In-Service candidates should be a regular employee of the Police Department/Paramilitary forces etc. and possessing the qualifications as mentioned above. Other eligibility conditions shall be as per P.U. Rules and Regulations.

M.Phil.	Total Intake = 10 General = 06 *Reserved for nominated/ in-service Police Personnel = 04 *(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).	1 year	The candidates seeking admission to M.Phil. in Police Administration shall possess Master's Degree in the first and second class from Panjab University or from any other University (approved by the Academic Council) in anyone of the following subjects : (i) Police Administration Or (ii) Public Administration, Law, Forensic, Criminology, Political Science, Psychology, Sociology, Economics, Human Rights, Social Work and Women Studies Or (iii) Any subject other than those mentioned in (i) and (ii) above provided that the candidate has not less than 5 years work experience in police agencies Nominated/In-Service candidates should be a regular employee of the Police Department/ Paramilitary forces etc. and possessing the qualifications as mentioned above at (i), (ii) & (iii) above Admission will be on the basis of Entrance Test conducted by the Panjab University
Ph.D.	Subject to availability	3-5 years	A candidate for Doctor of Philosophy in Police Administration should have obtained Master's degree in the first and second class from Panjab University or from any other University (approved by the Academic Council) in anyone of the following subjects : (i) Police Administration Or (ii) Public Administration, Law, Forensic, Criminology, Political Science, Psychology, Sociology, Economics, Human Rights, Social Work and Women Studies Or (iii) Any subject other than those mentioned in (i) and (ii) above provided that the candidate has not less than 5 years work experience in police agencies

The candidate should have passed the entrance test in Police Administration for Ph.D. conducted by the Panjab University

Other eligibility conditions shall be as per P.U. rules and regulations.

After qualifying for admission the candidates shall have to complete the Ph.D. Course work in accordance with the UGC and P.U. prescribed rules. The duration of the course work shall be one semester.

Mode of Admission

Admission to M.A. Police Administration will be through Qualifying Examination and Entrance Test* to be conducted at Departmental level. Candidates satisfying the eligibility requirement will be assessed for selection through the following selection procedure :

- A. Qualifying examination (50% weightage)
- B. Entrance test (50% weightage)

A. Qualifying examination

- (i) The candidate's merit list will be prepared by normalizing the total marks obtained in graduation (B.A./B.Sc./B.Com. etc.) out of 50.

It is to be illustrated as under :

If a candidate has obtained 1200 out of 2400 (Grand Total) his/her marks would be

$$\frac{1200}{2400} \times 50 = 25$$

- (ii) Weightage
 - (a) Students with Police Administration as one of the subjects at the graduation level–5%
 - (b) Students with honours in Police Administration–15%
- All other weightages shall be as per P.U. rules

B. Entrance Test

The entrance test will comprise of :

- (i) Written Test : 30% weightage
- (ii) Group Discussion : 10% weightage
- (iii) Personal Interview : 10% weightage

All candidates are required to secure minimum of 25 marks in the Entrance Test (i.e. written test, group discussion and Personal Interview) to qualify for admission. The written test will be of 50 multiple

*Nominated/In-service Police Personnel need not appear in entrance test. Their merit will be calculated on the basis of qualifying examination as per P.U. rules.

choice questions. The duration of the test will be of one hour. The medium of examination will be English, Hindi and Punjabi. The Entrance test will be designed to assess the aptitude of the candidates for Police Administration.

Titles of Syllabi :

M.A.

SEMESTER - I

Paper I - Police Administration	Paper IV - Police Procedures and Investigation Techniques
Paper II - Theory of Public Administration	
Paper III - Organization Behaviour and Police Administration	

SEMESTER - II

Note :- The candidates have to select **four** out of the following options :

Paper I - Correctional Administration	Paper IV - Sociology and Police Administration
Paper II - Criminology and Police Administration	Paper V - Police Psychology
Paper III - Research Methodology	

SEMESTER - III

Paper I - Law and Police Administration – I	Paper III - Forensic Science and Police Administration
Paper II - Police Personnel Administration	Paper IV - Project Report

SEMESTER - IV

Note : The candidates have to select **four** out of the following options :

Paper I - Law and Police Administration – II	Paper IV - Indian Political and Administrative Systems
Paper II - Forensic Medicine and Police Administration	Paper V - Private Security Management
Paper III - International Law and Police Administration	

M.Phil.

SEMESTER - I

Note: Paper I, II & III are Compulsory. The candidate can select any **one** out of the three options as Paper IV.

Paper I : Philosophical Foundations of Police Administration	Paper IV : (i) Criminology Or (ii) Correctional Administration Or (iii) Laws Related with Police Administration
Paper II : Emerging Dimensions of Police Administration in India	
Paper III : Research Methodology in Police Administration	

SEMESTER-II

Note : All the Papers are Compulsory

Paper I : Computer Applications and Police Administration Paper II : Dissertation

Ph.D.

Paper I : Research Methodology Paper III : Criminology
Paper II : Police Administration in India

Thrust Areas of Teaching and Research :

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 AND DUTIES

About the Centre

The Centre for Human Rights and Duties imparts human rights education as an independent and integrated social science discipline. The Centre is dedicated to the national mission to generate wide spread understanding and awareness about human rights issues and assign due credence to duties by organizing seminars, workshops, conferences, distinguished lecture series, civil societies engagement and outreach programmes.

The Centre supplements formal instructional mode with field based exposure visits to grass roots locations. It also facilitate students internship with the Punjab State Human Rights Commission and the National Human Rights Commission with some of the students having interned at both the Commissions and some having attended the study programme at International Institute of Human Rights, Strasbourg, France. The Centre has produced UGC JRF and UGC NET qualified candidates who are keenly pursuing doctoral research.

Human rights education at the Centre helps building empathetic, vigilant and responsible citizenry and capacitates students to pursue career avenues in governmental, non-governmental corporate and developmental journalism sectors.

Faculty

Particulars	Name	Field of Research Specialization
Associate Professor	Swarnjit Kaur (Coordinator)	<i>Globalization and Human Rights</i>
Assistant Professors	Namita Gupta Upneet Kaur Mangat	<i>Environment & Human Rights</i> <i>Gender & Human Rights</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	35+4 (NRI)	2 years	(i) Bachelors' degree obtaining 50% marks in any of the Social Science disciplines from any recognized university. OR (ii) Bachelors' degree in any discipline/faculty with at least 55% marks OR (iii) Masters' degree with 50% marks in any of the Social Science disciplines Other eligibility conditions shall be as per P.U. Rules and Regulations.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines.

Mode of Admission :

- A. Qualifying examination (50% weightage)
B. Entrance test (50% weightage)

Entrance test will comprise of :

1. Written Test (30% weightage)
2. Group discussion (10% weightage)
3. Personal interview (10% weightage)

A. Qualifying examination

The candidate's merit list will be prepared by normalizing the total marks obtained in graduation (B.A./B.Sc./B.Com. etc.) out of 50.

It is to be illustrated as under :

If a candidate has obtained 1200 (marks obtained) out of 2400 (Grand Total) his/ her marks would be
 $1200/2400 \times 50 = 25$

B. Entrance Test

All candidates are required to secure minimum of 35 marks in the Entrance Test (i.e. written test, group discussion and Personal Interview) to qualify for admission. The written test will be of 50 multiple choice questions. The duration of the test will be of 40 minutes. The medium of examination will be English only. The Entrance test will be designed to assess the aptitude of the candidates for the Human Rights and Duties.

Course Curriculum : M.A.**SEMESTER-I**

Core Paper 1	Historical, Theoretical and Philosophical Perspectives on Human Rights	Core Paper 3	Human Rights Issues in India
Core Paper 2	Human Rights and Duties in India	Core Paper 4	Research Methods

SEMESTER-II

Core Paper 5	Development, Globalization and Human Rights	Core Paper 7	Environment : Human Rights and Duties
Core Paper 6	Human Rights and Duties : Women and Children	Core Paper 8	Project Report based on Field-work

SEMESTER-III

Core Paper 9	Science and Technology, Human Rights and Duties
Core Paper 10	Human Rights and Duties for the Aged and the Differently abled
Core Paper 11/15	Fieldwork Based Dissertation*
Core Paper 12	The candidate has to opt for any ONE of the following optional papers :
	Optional Paper 1 (a) Working Class, Human Rights and Duties
	Optional Paper 1 (b) International Humanitarian and Refugee Laws
	Optional Paper 1 (c) Disadvantaged Sections/Groups and Human Rights & Duties

SEMESTER-IV

Core Paper 13	Civil Society, Social Movements and Human Rights and Duties in India	Core Paper 14	Human Rights and Criminal Justice System
		Core Paper 15/11	Fieldwork Based Dissertation*
Core Paper 16	The candidate has to opt for any ONE of the following optional papers:		
	Optional Paper II (a) Minorities, Human Rights and Duties		
	Optional Paper II (b) Rights of Displaced People and their Rehabilitation		
	Optional Paper II (c) Peoples' Right to Self-Determination		

Ph.D. Coursework Curriculum

Paper 1	Research Methodology	Paper 3	Human Rights & Duties : Indian Panorama
Paper 2	Concepts, Approaches and Legal Foundations of Human Rights		

Thrust Areas : Rights based approach to development; Participative and Inclusive Democracy; Good Governance and Human Rights cutting across multiple socio-cultural & politico-economic issues.

*The students shall be required to write a dissertation on any aspect of human rights and duties problem/situation. He/She shall visit the problem area(s) and study the situation, causes and solutions, people's responses and his/her own experiences of human rights violations, if any. He/she shall study the relevant literature and write a report on the approved topic with the help of theoretical discussions on research methodology.

Field Work based dissertation will spread over Semesters III & IV and carry 200 marks. Out of 200 marks, dissertation will be of 160 marks and viva-voce examination will be of 40 marks. The viva-voce examination in the dissertation shall be held after the written examination of Semester IV and the students shall have to submit the dissertation by the end of month of March on the date specified by the department.

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

About the Department/Centre : 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 with Prof. Pam Rajput as its Founding Director. It was one of the first Five Centres set up by the University Grants Commission in 1987. 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 forms and modes of action. It visualizes itself as a catalyst to transform an unjust, inegalitarian 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-thirds world/Indian context. The trine objectives are to create awareness, to intellectually equip students and to empower all. Teaching, Training, Research, Extension, Dissemination, 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-cum-Centre has taken a lead in the region in introducing the formal degree programmes in Women's Studies. The programmes offered at present are :

- M.A. in Women's Studies
- Ph.D. Programme in Women's Studies

What will this discipline get you ? It will help in getting jobs in the fields of Government in Development Sector, World Bank Projects, United Nations Agencies, Human Rights Agencies, Multinational Companies, NGOs, Welfare Organisations... and many more. International NGOs, such as Oxfam, specialised agencies of the UN, Voluntary organisations such as The Hunger Project, require gender specialisation along with skills in making proposals, monitoring, evaluation and reporting as well as understanding of development issues in the region. The Department cum Centre, through its teaching programme not only sensitises the students to gender issues and attempts to ensure a commitment to the empowerment of women but also provides training in all the above skills through its curricula. The emphasis is on practical skill training in Project formulation, designing, monitoring, budget formulation and analysis and research training normally given in Research degree courses such as M.Phil. Most significantly, the course is multidisciplinary, which stands the students in good stead in any field of activity which they may decide to pursue, whether development, law, human rights or planning.

Faculty

Particular	Name	Field of Research Specialization
Professor	Manvinder Kaur (Chairperson)	(i) <i>Women and Culture</i> (ii) <i>Feminist Theory</i> (iii) <i>Women and Development/Human Rights</i>

Assistant Professors	Ameer Sultana	(i) <i>Women's Movement</i> (ii) <i>Women and Health</i> (iii) <i>Violence against Women</i>
	Rajesh Kumar Chander	(i) <i>Feminist Research Methodology</i> (ii) <i>Women and Entrepreneurship</i> (iii) <i>Dalit Studies</i> (iv) <i>Dalit Women</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	30+2NRI	2 years	A person who possesses one of the following qualifications shall be eligible to join– (i) Bachelor' degree in any Faculty with at least 50% marks in the aggregate; (ii) B.A. (Pass) with at least 45% marks in Women's/ Gender Studies of Public Administration or Political Science or History or Economics or Sociology or Psychology or Gandhian Studies or Geography or Philosophy. The candidates with these subjects be given preference in admission.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines.

Title of Syllabi :

MA.

SEMESTER I

Paper I	Conceptualising Women's Studies	Paper III	Feminist Theory
Paper II	Women's Movement in India	Paper IV	Fundamentals of Social Research

SEMESTER II

Compulsory Papers

Paper I	Feminism : An Indian Perspective	Paper IV	Optional Paper
Paper II	Emerging Trends in Research Methodology		(i) Field Project
			OR
Paper III	United Nations and Women's Issues		(ii) Women and Environment

SEMESTER III

Compulsory Papers

Paper I	Women and Law-I	Paper IV	Optional Papers
Paper II	Women and Development		(Candidate will be required to opt for one paper out of the courses offered)
Paper III	Women and Human Rights		Option (i) Women and Management
			Option (ii) Women and Entrepreneurship
			Option (iii) Training in Practical Skills
			Option (iv) Women, Science and Technology

SEMESTER IV

Compulsory Papers

Paper I Women and Politics
Paper II Women and Law-II

Paper III & IV **Optional Papers**

(Candidate will be required to opt for two papers out of the courses offered)

- (i) Women and Work
- (ii) Women and Health
- (iii) Women and Media

OR

Dissertation in lieu of two papers

Thrust Areas : In an era of Globalization, inter-disciplinary courses are the need of the hour and Women Studies course is trying to meet the need. Moreover by introducing inter-disciplinary courses emerging methodologies of teaching like field-based courses are being introduced so that students develop gender responsive approach toward society. Emerging challenges like gender based violence and commodification of women, portrayal of women in media and literature are also dealt with.

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 40 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 giving it a distinct identity.

The concept of a School symbolises a School of Thought. 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 skill, relevant for management are deeply ingrained in the serene Indian culture. This philosophy of the School is translated into mission of creating wholesome personality of human beings with a view to produce effective and efficient managers, researchers and teachers.

The School uses rigorous multi-faceted pedagogic approach with an effective interface with industry to translate the mission into action. It creates opportunity 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 catalyst; and to develop their power to conceptualise, decide and communicate. The School, through its integrative approach, inculcates human values in addition to managerial attitude, knowledge and skill.

The thrust of M.B.A. is on producing managers for different functional areas; M.B.A. (IB) for International Business; M.B.A. (HR) for Human Resource Management and M.B.A. (Biotech) for Biotechnology.

M.Com. (Hons.) aims at producing Commerce Professionals and Teachers and Ph.D. aims at producing researchers in Management and Commerce.

Achievements and Programmes

The faculty of University Business School, trained in India and abroad, has earned international recognition in industry and academia. The students produced by the School have made a mark in the world of management, research and teaching all over the world. University Business School has been recognized by University Grants Commission under Special Assistance Programme for the following thrust areas: Supply Chain Management and International Comparative Management, Social Responsibility and Human Resource Accounting, Investment Decision-making and Innovating Financing. University Business School has also been awarded Assistance for Strengthening of the Infrastructure of the Humanities and Social Science (ASIHSS) programme by University Grants Commission in the following thrust areas: Supply Chain Management, Accounting & Business Finance-Social Responsibility and Human Resource Accounting, Investment Decision-making and Innovating Financing.

The School has been identified by 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

Particular	Name	Field of Research Specialization
Prof. Emeritus	T.N. Kapoor (Ex. Vice-Chancellor, P.U., Chd.)	(i) <i>Organisational Behaviour</i> ; (ii) <i>Strategic Mgmt.</i> (iii) <i>General Mgmt.</i>
Professors	Dinesh K. Gupta	(i) <i>Finance & Accounting/Banking</i> ; (ii) <i>General Management</i> ; (iii) <i>Human Resource Management/O.B./I.R.</i>
	Meenakshi Malhotra	(i) <i>Human Resource Management/O.B./I.R.</i> ; (ii) <i>General Management</i>
	A.K. Vashisht, (Chairperson)	(i) <i>Finance & Accounting/Banking</i> ; (ii) <i>General Management</i>
	S.K. Chadha	(i) <i>Marketing</i> ; (ii) <i>International Business</i>
	Manoj K. Sharma	(i) <i>Business Economics</i> ; (ii) <i>Human Resource Management</i>
	Smriti Sood	(i) <i>Marketing</i> ; (ii) <i>General Management</i> ; (iii) <i>Quant. OR, Stat. and R.M./OM</i>
	Anupam Bawa	(i) <i>Marketing</i> ; (ii) <i>General Management</i>
	Deepak Kapur	(i) <i>General Management</i> ; (ii) <i>Marketing</i>
	B.B Goyal	(i) <i>Marketing</i> ; (ii) <i>General Management</i>
	Karamjeet Singh	(i) <i>Finance & Accounting / Banking</i> ; (ii) <i>General Management</i>
	Parmjit Kaur	(i) <i>Finance & Accounting/Banking</i> ; (ii) <i>General Management</i>
	Meena Sharma	(i) <i>Finance & Accounting/Banking</i> ; (ii) <i>General Management</i>
	Sanjay Kaushik	(i) <i>Human Resource Management/ O.B./I.R.</i> ; (ii) <i>General Management</i>
	Suveera Gill	(i) <i>Finance & Accounting/Banking</i> ; (ii) <i>General Management</i>
Associate Professors	Navdeep Kaur	(i) <i>General Management</i> ; (ii) <i>International Business</i>
	Gunmala Suri	(i) <i>General Management</i> ; (ii) <i>Quant. OR, Stat. and R.M./OM</i> ; (iii) <i>Information Technology and E.Commerce</i>
Assistant Professors	Luxmi	(i) <i>Human Resource Management/O.B./I.R.</i> ; (ii) <i>General Management</i>
	Purva Kansal	(i) <i>Marketing</i> ; (ii) <i>General Management</i>
	Monica Bedi	(i) <i>Marketing</i> ; (ii) <i>International Business</i>
	Tejinderpal Singh	(i) <i>Marketing</i> ; (ii) <i>Information Technology and E.Commerce</i>
	Vaneeta Aggarwal	<i>Human Resource Management</i>
	Rupinder Bir Kaur	(i) <i>Human Resource Mgmt.</i> ; (ii) <i>General Management</i>
	Tilak Raj	(i) <i>Business Economics</i> ; (ii) <i>General Management</i>
	Neha Gulati	(i) <i>Computer</i> ; (ii) <i>General Management</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
Master of Business Administration (MBA)	64+9*+1**	2 years (Semester System)	Admission Criteria : The admission to MBA, MBA (IB), MBA (HR) and MBA (Biotech.) at Chandigarh is based on the merit of the students determined on the basis of national level written test through CAT conducted by IIMs, group discussion and personal interview of the eligible candidates. Minimum of 10% score (5% in case of SC/ST candidates) in each component of CAT has to be earned by the candidates to become eligible to be called for Group discussion/Personal Interview. Some seats are reserved for Foreign/NRI candidates. The eligibility condition remaining same as for other categories of candidates. Foreign/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.
Master of Business Administration (International Business) (MBA-IB)	30+4*+3**	2 years (Semester System)	
Master of Business Administration (Human Resource) (MBA-HR)	30+4*+3**	2 years (Semester System)	
Master of Business Administration (Bio-technology) (MBA-Bio-tech.)	14+2*	2 years (Semester System)	

Eligibility : (M.B.A., M.B.A. - IB & M.B.A. - HR)

The minimum qualifications for admission to the first semester of these courses are :

- (i) 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% marks 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.

OR

- (ii) 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, and
 (c) Institute of Company Secretaries of India. OR
- (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.

Eligibility : Master of Business Administration (Bio-technology) (MBA-Bio-tech.)

A Bachelor's degree in Biological Sciences, i.e. Biology, Botany, Microbiology, Zoology, Biochemistry, Biophysics, Genetics, Pharmacy, Biotechnology, Veterinary Sciences, B.E./B. Tech. (Biotechnology) B.Sc. (Bio Informatics), BE(Informatics) and MBBS, BDS of a University recognized by the Association of Indian Universities, with not less than 50% marks in the aggregate.

*Seats reserved for Foreign/NRI Candidates.

**Seats reserved for Defence Sponsored Officers (Sponsored by DGMT, New Delhi).

(ii), the course will be spread over two semesters. For others, the duration of the prescribed course work shall be three semesters.

A candidate enrolled for Ph.D. shall pursue his research work in the University Business School. However, the Research Board may permit a candidate, after allocation of the subject of thesis and the appointment of supervisor, to pursue the research work at an approved centre. If the supervisor is not satisfied with the progress of the candidate, who is permitted to continue his research work at an approved centre, the supervisor may require the candidate to continue further work in the School.

Note : Detailed Syllabi already exists on the P.U. website.

Thrust Areas :

- (i) Finance (ii) Marketing (iii) Human Resource (iv) International Business

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 to be 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. Bhatnagar University Institute of Chemical Engineering & Technology.

Faculty

Particular	Name	Field of Research Specialization
Professor	Sanjeev Sharma (Director)	<i>Strategic Management, Marketing Management</i>
Associate Professor	Pardeep Kumar Sharma	<i>Quantative Techniques, Economic Development, Poverty & Inequality</i>
Assistant Professors	Anupreet Kaur Mavi	<i>Development Economics, Labour Economics</i>
	Arunachal Khosla	<i>Organizational Culture (OB & HRM)</i>
	Nishi Sharma	<i>Financial Management, Investment Analysis</i>
	Nidhi Gautam	<i>Data Communication, Wireless Networks</i>
	Pooja Garg	<i>Capital Markets - Finance</i>
	Jagandeep Singh	<i>Marketing Management, Strategic Management</i>
	Manu Sharma	<i>Mergers & Acquisitions, Private Equity, Corporate Valuation and Financial Derivatives</i>
	Manjushri Sharma	<i>Health Economics</i>
	Ajay Kumar Dogra	<i>Hospital, Pharmaceutical Management</i>
	Aman Khera	<i>Law & Management (HR)</i>
	Rachita Sambyal	<i>IT & Telecom Management (Major Marketing)</i>
	Naveen Kumar	<i>Infrastructural Management (Major Finance)</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
MBA (Retail Management)	45+5*(NRI)=50	2 Years	A Bachelor's or Master's Degree in any discipline of Panjab University or of any other University which has been recognized by Panjab 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.
MBA (Banking & Insurance Management)	45+5*(NRI)=50	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 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 (I.T. & Telecommunications Management)	22+3*(NRI)=25	2 Years	Bachelor's degree in Pharmacy with minimum 50% marks in the aggregate. OR M.B.B.S. OR Bachelor's Degree in any Science subject with 50% marks in the aggregate. And Diploma in Pharmacy with minimum 50% marks.
MBA (Infrastructural Management)	22+3*(NRI)=25	2 Years	MBBS/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.
MBA (Pharmaceutical Management)	22+3*(NRI)=25	2 Years	
MBA (Hospital Management)	22+3*(NRI)=25	2 Years	

Candidates appearing in the Final Degree Examination are eligible to apply and can take the test provisionally. Concession of 5% marks in the eligibility requirements for SC/ST candidates.

The admission is made on the basis of Entrance Test (85% weightage), Group Discussion (7.5% weightage) and Personal Interview (7.5 weightage).

UNIVERSITY INSTITUTE OF HOTEL MANAGEMENT AND TOURISM (UIHMT)

About the Institute

The University Institute of Hotel Management and Tourism (UIHMT) is an upcoming premier institute of Panjab University, which is offering education, training, research and consultancy in the field of hospitality, tourism, travel and allied sectors. Looking to the demands of the Indian and global economy, UIHMT'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

Particular	Name	Field of Research Specialization
Professor	R. K. Gupta (Director)	Finance
Assistant Professors	Prashant Gautam Anish Slath	Tourism Planning and Development Hospitality Sales and Marketing
Assistant Professors (ad hoc)	Arun Singh Thakur Jaswinder Singh Gaurav Kashyap Abhishek Ghai Tanvi Lipika S.A. Rizwan	Adventure Tourism Food Production Gastronomy and food science Food and Beverage Service - Bar Operations Room Division Management Account Management Tourism Products

Note : In addition to these faculty members for core subjects, UIHMT is utilizing qualified faculty for non-core subjects.

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc. (Hospitality and Hotel Administration)	60	3 years	The admission to both the above courses will be on the basis of the Merit of Panjab University Tourism and Hospitality Aptitude Test (PUTHAT) to be conducted by Panjab University. PUTHAT shall be open to all such candidates who have passed (up to the Academic Session 2012-2013) in the 10+2 Examination of the Central Board of Secondary Education, New Delhi or its equivalent Examination conducted by a recognized Board/ University/Council with not less than 50% marks in the aggregate and English as one of the Compulsory Subjects.
B.Sc. (Tourism Management)	30	3 years	

Titles of Syllabi

B.Sc (Hospitality and Hotel Administration)

SEMESTER-I

Course Code	Course Title	Course Code	Course Title
BHM-111	Foundation Course in Food Production	BHM-114	Foundation Course in Accommodation Operations
BHM-111	Foundation Course in Food Production-Practical	BHM-114	Foundation Course in Accommodation Operation-Practical
BHM-112	Foundation Course in Food and Beverage Service	BHM-115	Application of Computers

BHM-112	Foundation Course in Food and Beverage Service-Practical	BHM-115	Application of Computers-Practical
BHM-113	Foundation Course in Front Office	BHM-116	Hotel Engineering
BHM-113	Foundation Course in Front Office Practical	BHM-117	Principles of Food Science

SEMESTER-II

BHM-121	Foundation Course in Food Production	BHM-125	Nutrition
BHM-122	Foundation Course in Food & Beverage Service	BHM-126	Accounting for Managers
BHM-123	Foundation Course in Front Office	BHM-127	Executive Communication
BHM-124	Foundation Course in Accommodation Operations	BHM-128	Environment and Road Safety Education

SEMESTER-III

BHM-231 Industrial Training : The whole third semester of B.Sc. HHA will be of industrial training

SEMESTER-IV

BHM-241	Food Production Operations	BHM-244	Accommodation Operations - Practical
BHM-241	Food Production Operations - Practical	BHM-245	Food and Beverage Controls
BHM-242	Food and Beverage Operations	BHM-246	Hotel Accountancy
BHM-242	Food and Beverage Operations-Practical	BHM-247	Food Safety and Quality
BHM-243	Front Office Operations	BHM-248	Management in Tourism
BHM-243	Front Office Operations - Practical	BHM-249	Communication Skills in English
BHM-244	Accommodation Operations		Workshop on Research Methodology

SEMESTER-V

BHM-351	Advanced Food Production Operations (Theory)	BHM-353	Front Office Management - Practical
BHM-351	Advanced Food Production Operations-Practical	BHM-354	Accommodation Management-Practical
BHM-352	Advanced Food and Beverage Operation (Theory)	BHM-355	Financial Management
BHM-352	Advanced Food and Beverage Operation-Practical	BHM-356	Strategic Management
BHM-353	Front Office Management (Theory)	BHM-357	Tourism Marketing
		BHM-358	Seminar on Hospitality Industry Research Project*
			Special topics/Guest speakers

SEMESTER-VI

BHM-361	Advanced Food Production Operations (Theory)	BHM-363	Front Office Management (Theory)
BHM-361	Advanced Food Production Operations-Practical	BHM-363	Front Office Management - Practical
BHM-362	Advanced Food and Beverage Operation (Theory)	BHM-364	Accommodation Management (Theory)
BHM-362	Advanced Food and Beverage Operation-Practical	BHM-364	Accommodation Management-Practical
		BHM-365	Food and Beverage Management
		BHM-366	Facility Planning
		BHM-367	Research Project (Viva-voce)
			Special topics/Guest speakers

***The project allocation will be done in the fifth semester and the evaluation will form part of the sixth semester**

II. B.Sc. (Tourism Management)

SEMESTER-I

BTM-11	Basics of Tourism	BTM-15	Principles of Management
BTM-12	Geography for Tourism	BTM-16	Accounting for Managers
BTM-13	Indian Society and Culture	BTM-17	Event Management Report
BTM-14	Tourism Products of India : Art and Architecture		

During the first semester student will organise/participate in an event (to be decided by the academic committee of UIHMT) and will submit a report for the same. Field trip will be after the first semester

SEMESTER-II

BTM-21	Components of Tourism	BTM-25	Tourism Business Economics
BTM-22	Tourism Product of India: Nature Based	BTM-26	Environment and Road Safety Education
BTM-23	Executive Communications	BTM-27	Field Trip Report
BTM-24	Introduction of Statistics		

Leadership Development Camp (Adventure Tour) will be after the second semester or during third semester

SEMESTER-III

BTM-31	Travel Agency & Tour Operations	BTM-35	Principles of Marketing
BTM-32	Policy and Planning for Tourism Development	BTM-36	Computer Applications in Tourism
BTM-33	Hotel Operations	BTM-37	Leadership Development Programme Report
BTM-34	Tourism Business Environment		

SEMESTER-IV

BTM-41	Tourism Promotion.	BTM-45	Essentials of Tour Guiding
BTM-42	Itinerary Preparation	BTM-46	Tourism Product – Local Region
BTM-43	Ticketing and Transportation	BTM-47	Seminar on Contemporary Issues in Tourism
BTM-44	Tour Package Design		

Six Weeks On the Job Training will be after fourth semester

SEMESTER-V

BTM-51	Global Tourism	BTM-54	Basics of Tourism Research
BTM-52	Tourism Impact	BTM-55	Organizational Behaviour
BTM-53	Room Division Management	BTM-56	On-the-job Training Report and Viva

Research Project will be undertaken after fifth semester

SEMESTER-VI

BTM-61	Trade Related Issues and Formalities	BTM-64	Air Transport and Cargo Management
BTM-62	Environment and Tourism	BTM-65	Project Report and Viva
BTM-63	Adventure Tourism	BTM-66	Comprehensive Viva-Voce

Thrust Areas

- * F&B Production and Operations
- * Room Division Management
- * Tour operations and travel management
- * MICE Tourism
- * Sustainable Tourism Development

III. FACULTY OF DESIGN AND FINE ARTS

DEPARTMENT OF ART HISTORY AND 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 print makers. A regular programme of exhibitions along with demonstrative workshops and lectures have made the museum of art an important art centre of art in the region.

Faculty

Particular	Name	Field of Research Specialization
Prof. Emeritus	B.N. Goswami	<i>Indian Painting</i>
Associate Professor	Rajinder Bhandari	<i>Indian Contemporary Art, Indian Art and Architecture</i>
Assistant Professors	Tirthankar Bhattacharya (Chairperson)	<i>Indian Iconography, Aesthetics and Art Appreciation</i>
	Jagtej Grewal	<i>Modern Indian Painting</i>

Courses Offered

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A. History of Art	29	2 years (Semester System)	As prescribed in Section 7.1 of (History of Art) Rules for Admission + Aptitude Test at Departmental Level
Ph. D.	Subject to availability	3-5 years	See General Important Guidelines

Titles of Syllabi

MA.

- Paper-I : History of Indian Sculpture and Architecture from the Earliest Times to ca. 600 A.D.
- Paper-II : History of European Art from the Pre-historic to the Byzantine period
- Paper-III : History of Indian Painting from the Pre-historic period to the 16th century A.D.
- Paper-IV : Principles and Sources of Art
- Paper-V : History of Indian Sculpture and Architecture from 1st century A.D. to 6th century A.D.
- Paper-VI : History of European Art from the Early Medieval Period till Late Gothic Period ca. 1400 A.D.
- Paper-VII : History of Indian Painting from ca. 1550 A.D. to ca. 1850 A.D.

- Paper-VIII : Basic Religious Systems and Iconographic Concepts
 Paper-IX : History of Indian Architecture and Sculpture from ca. 700 A.D. to ca.1300 A.D.
 Paper-X : History of European Art from the Renaissance to ca. 1700 A.D.
 Paper-XI : History of European Art from ca. 1750 A.D. to ca. 1900 A.D.
 Paper-XII : Art of South East Asia
 Paper-XIII : History of Indian Architecture from ca. 1300 A.D. to ca. 1900 A.D.
 Paper-XIV : History of European Art from ca. 1900 A.D. to ca. 1950 A.D.
 Paper-XV : History of Indian Art from ca. 1850 A.D. to ca. 1950 A.D.
 Paper-XVI : Comparative Approaches to Art

Thrust Area

History of Indian Art, Iconography: Traditional and Contemporary and Architecture

DEPARTMENT OF INDIAN THEATRE

The Department was set up in 1972 and has earned a place of pride on the National Theatre Scene during 40 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 82 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 field 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, alongwith 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

Particular	Name
Chairperson (acting)	: (D.U.I.)
Prof. Re-employed	: Mahendra Kumar
Associate Professor	: Navdeep Kaur
Associate Professor (Re-employed)	: Neelam Man Singh Choudhary
Stage Craft Teacher	: Shveta

Course Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/CRITERIA
M.A. I	23	2 years (Semester System)	(i) Graduation from any recognised University with aptitude for Theatre. (ii) Written & Performance Test for admission to M.A. I.

For admission to M.A. (Indian Theatre) the criteria will be so follows :

- (i) Objective Type Written Test to be conducted by the Dept. **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 to be conducted by the Dept. **70 Marks** (Only those candidates who qualify Objective Type Written Test and Specialty Designed Performance Test by scoring at least 50% marks in both will be eligible).

Title of Syllabi

MA.

SEMESTER-I

Paper-I : History of Theatre	Paper-III : Acting Practical
Paper-II : Acting Theory	Paper-IV : Stage Craft (Practical)

SEMESTER-II

Paper-V : Dramatic Literature	Paper-VII : Directorial Processes
Paper-VI : Theatre Architecture	Paper-VIII : Viva Voce

SEMESTER-III

Paper-IX : History of Theatre	Paper-XI : Acting Practical
Paper-X : Acting Theory	Paper-XII : Stage Craft (Practical)

SEMESTER-IV

Paper-XIII : Dramatic Literature	Paper-XV : Directorial Processes
Paper-XIV : Theatre Architecture	Paper-XVI : Viva Voce

The Department undertakes Ph.D. Course and higher research in Theatre.

- The course span is 3-4 years.
- Presently nine students are pursuing Ph.D. course under various teachers of the Department.
- For further information, see General Important Guidelines.

DEPARTMENT OF MUSIC

About the Department

The department of Music was established in 1987. It provides intensive and full time training in theoretical and practical music in Vocal and Instrumental. It also provides evening Music hobby classes.

Faculty

Particular	Name	Field of Research Specialization
Prof. Re-employed	Arvind Kumar Sharma	<i>Music(Vocal)</i>
Professor	Saroj Ghosh	<i>Music (Instrumental)</i>
	Pankaj Mala Sharma	<i>Music (Instrumental)</i>
	Neera Grover	<i>Music (Vocal)</i>
	(On lien from Shreemati Nathibat Damodar Thakersey Women's University, Mumbai)	
	Associate Professor	Neelam Paul (<i>Chairperson</i>)
Guest faculty Professor	Chaman Lal Verma	<i>Music (Vocal)</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A. (Vocal)	17	2 years (4 Semester)	B.A. with Music or teacher in Music in a recognized higher secondary school or affiliated college-aptitude test at Department level.
M.A. (Instrumental)	17	2 years (4 Semester)	B.A. with Music or teacher in Music in a recognized higher secondary school or affiliated college-aptitude test at Department level.
M.Phil. (Vocal & Instrumental)	15	1 year (2 Semester)	See General Important Guidelines
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines
Hobby Classes (Vocal/Instrumental Music) Instruments offered :- Guitar, Sitar, Harmonium, Tabla	–	–	Students of University Department/Colleges, University Employees and their wards with aptitude for music.

Course Reading

- M.A. I (Instrumental) :
- Sitar (For Regular Candidates)
 - The private candidate have the option to take any of the Following Instruments :
Sitar, Sarangi, Veena, Sarod, Dilruba, Violin, Bansuri, Shahnai, Guitar and Santoor.

Titles of Syllabi :

M.A. MUSIC (VOCAL & INSTRUMENTAL) SEMESTER-I

Paper-I: Theoretical Survey, Principles of Aesthetics and Critical study of Ragas	50 Marks	Paper-II : History of Indian Music	50 Marks
		Paper-III : Stage Performance	50 Marks
		Paper-IV : Viva-Voce (Practical Test)	50 Marks

M.A. MUSIC (VOCAL & INSTRUMENTAL) SEMESTER-II

Paper-I: Theoretical Survey, Principles of Aesthetics and Critical study of Ragas	50 Marks	Paper-II : History of Indian Music	50 Marks
		Paper-III : Stage Performance	50 Marks
		Paper-IV : Viva-Voce (Practical Test)	50 Marks

M.A. MUSIC (VOCAL & INSTRUMENTAL) SEMESTER-III

Paper-I : Scientific study of Indian Music	50 Marks	Paper-III : Stage Performance	50 Marks
Paper-II : Study of Ragas and Talas	50 Marks	Paper-IV : Viva-Voce (Practical Test)	50 Marks

M.A. MUSIC (VOCAL & INSTRUMENTAL) SEMESTER-IV

Paper-I : Methodology of Research and Study of Lakshan Granthas	50 Marks	Paper-III : Stage Performance (Practical)	50 Marks
Paper-II: Music education and principles of Stage performance	50 Marks	Paper-IV : Viva-Voce (Practical Test)	50 Marks

M.Phil. Music (VOCAL & INSTRUMENTAL) SEMESTER-I

Course-I	Research Methodology	50 Marks	Course-IV	Seminar	25 Marks
Course-II (Practical)	Stage Performance	100 Marks	Course-V	Sessional Work	25 Marks
Course-III (Practical)	Viva Voce	100 Marks			

M.Phil. Music (VOCAL & INSTRUMENTAL) SEMESTER-II

Course-I	History and Theory of Indian Music	50 Marks	Course-III (Practical)	Viva Voce	75 Marks
Course-II (Practical)	Stage Performance	75 Marks	Course-IV	Dissertation	100 Marks

Research Facility

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.

Workshop and Seminars

The department organizes workshops and seminars to expose the students to various innovations, new trends and emerging areas in the respective fields.

Public Performances

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.

Scholarships

Some merit scholarships are offered to the students of M.A., M.Phil & Ph.D. Special Scholarships for S.C. Candidates, poverty and deserving candidates.

Awards

1. Pt. Dr. Lal Mani Mishra award to the topper of M.A. II (Instrumental) Music
2. Pt. Tejpal Singh Bandu award to the topper of University M.A. II (Vocal) Music

UNIVERSITY INSTITUTE OF FASHION TECHNOLOGY AND VOCATIONAL DEVELOPMENT

About the Institute

University Institute of Fashion Technology and Vocational Development 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 presently offers a prestigious Five Year Integrated B.Sc. and M.Sc. Degree in Fashion and Lifestyle Technology. The Program laid out in semester system focuses on self sustaining education and training.

First three years of the course comprise of Foundation and Core Studies of which sixth semester entails Industrial Training with an option for an Industry/Design Project. The students are awarded a B.Sc. Degree in Fashion & Lifestyle Technology at this stage.

Two years spent in M.Sc. Fashion & Lifestyle Technology have the students undergo extensive specialized project based study related to organizing and management of a Fashion and Lifestyle enterprise. Design Collection/Research Project/Craft based Project are a part of the Post Graduation Program.

Highly trained and experienced faculty is involved in giving intensive theoretical and practical inputs and the students are being assisted in task based studies to develop their skills to face the challenging requirements of the Fashion Industry.

To move into the global main stream of intense economic competition and reckoning with requirements of India's fashion industry in totality, the Department is liaising with fashion related organizations for training of the students to help them to develop skills in handling latest technology. Regular interaction with design studios, production and distribution centers, community projects, retail establishments and industry form a vital bridge between University Institute of Fashion Technology and the world.

The department is housed in an “intelligent building” and is richly equipped in its laboratories, with state of the art equipment for hand on experience of the students. It is in the process of setting up its resource centre. UIFT envisions to be the finest institution in the country in all aspects and terms.

Faculty

Particular	Name	Field of Research Specialization
Professor	Sween (Co-ordinator)	
Assistant Professors	Rita Kant Prabhdip Brar Anu H. Gupta	<i>Clothing & Textiles</i> <i>Apparel Design, Art History & Fine Arts</i> <i>Clothing & Textiles</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc. & M.Sc. in Fashion & Lifestyle Technology (5 years Integrated)	46+6NRI	3+2 years	10+2 from CBSE or any other recognized board with atleast 50% marks in aggregate (45% marks in case of SC/ST) +Aptitude Test.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

Note : Preference is given to candidates who have undergone vocational education in Fashion Design/ Textile Design or studied Fine Art subject/Subjects, at or after 10+2 from any recognized/approved University/Board.

Aptitude test

1. Admission to the course shall be made on the basis of an Aptitude test conducted by the Institute to assess the skill of candidates in free hand drawing, sketching, designing, creative and general ability needed for the course.
2. Communication skills will be tested through an interview.
3. Distribution of marks for preparation of merit list shall be as under :

Academics	–	20%
Preference Criteria	–	10%
Aptitude & Objective Test	–	60%
Interview	–	10%

Titles of Syllabi :

Sr. No.	Theory Papers	Sr. No.	Practical Papers
1	English	1	Visual Design
2	Fabric Technology	2	Fashion Illustration
3	Fashion Studies	3	Design Process
4	History of Indian Costumes	4	Pattern Development
5	History of World costumes	5	Garment Construction Technology
6	Personality & Clothing	6	Traditional Indian Textile & Embroidery
7	Apparel & Textile Merchandising	7	Computer Graphics
8	Fashion Relating & Merchandising	8	Knitting & Weaving Technology
9	Quality Management	9	Fashion Photography
10	Textile Testing	10	Portfolio Making
11	Research & Statistics	11	Design Collection
12	Industrial Management	12	Research Project
13	Entrepreneurship Development	13	Craft Based Project
14	Textile Chemistry	14	Textile Testing
	Communication Through Fashion Journalism		

Rule for admission to M.Sc. in Fashion & Lifestyle Technology, lateral entry as under :

1. Lateral entry to M.Sc. in Fashion and Lifestyle Technology will be permitted if there is any seat vacant due to dropping out of any student/students of B.Sc. in Fashion and Lifestyle Technology of University Institute of Fashion Technology, Panjab University, Chandigarh.
2. A person, who has passed B.Sc. (Fashion Designing) examination with at least 50% marks in the aggregate from Panjab University, Chandigarh or an examination from any other University recognized as equivalent thereto, shall be eligible for entrance test for lateral entry into the course.
3. An Entrance test and Interview will be held to assess the skill of the students seeking admission as lateral entry candidates.
4. Distribution of marks for preparation of merit list of lateral entry candidates for M.Sc. in Fashion & Lifestyle Technology shall be as under :

(a)	Weightage to Qualifying Examinations	:	30%
(b)	Weightage to Entrance Test	:	50%
(c)	Weightage to Interview	:	20%
5. The candidate shall have to score 50% marks in aggregate of Entrance Test and interview to be eligible for lateral entry.

Thrust Areas

The Thrust areas of this elite program offer a solid platform to pursue careers in the Business of Fashion. Research Projects, Product & Line Development, Fashion Event Management, Surface Design, CAD, Textile Technology, Visual Merchandizing, Fashion Forecasting and Media Reporting are amongst a few of its USPs. Exposure of students to the dynamics of Business Organizations through Internship enables them to integrate their classroom learning with practical experience.

IV. FACULTY OF EDUCATION

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), B.Ed. Special Education (Learning Disability) and M.Ed. Special Education (Learning Disability). The Admission in these courses is open to all the students from all streams.

Faculty

Particular	Name	Field of Research Specialization
Associate Professors	Navleen Kaur (Chairperson)	<i>Community Education, Inclusive Education, Extension Education Educational Psychology, Guidance and Counseling.</i>
	Ashwani Kumar Sharma	<i>Political Science, Community Education, Inclusive Education, Human Resource Development.</i>
	Anuradha Sharma	<i>Education, Community Education, Inclusive Education, Research Methodology, Education Psychology, Community Social Psychology.</i>
Assistant Professor	Dazy Zarabi	<i>Community Education, Population and Development Education, Gender Equality & Equity Ad descent Education, HIV/AIDS.</i>
Prof. (Re-employed)	Manjeet Paintal	<i>Education, Community Education, Inclusive Education, Health and Extension Education, Corporate Social Responsibility, Woman and Child Development.</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A. (Com. Edu. & Dev.)	25	2 years (Semester System)	Graduation in any Discipline with 45% marks (40% in case of SC/ST)
Ph.D.	Subject to availability	3-5 years	Master's degree in Community Education and Social Sciences + Entrance Test conducted by the University or UGC-NET cleared in Education.
B.Ed. Special Education (Learning Disability)	30	1 year (Semester System)	Graduation in any discipline with 50% marks (45% in case of SC/ST)
M.Ed. Special Education (Learning Disability)	15	1 year (Semester System)	Candidates having at least 50 % marks (45 % in case of SC/ST) in any of the Following : (a) B.Ed. Special Education (LD) from a recognized university or any other degree considered equivalent to B.Ed. Special Education (LD) from an affiliating university and/or teaching department under any university recognized by U.G.C.

- (b) B.Ed. General course and has successfully completed a one/two year Diploma/PG Diploma in special Education (LD) which is recognized by the Rehabilitation Council of India.

Title of Syllabi

M.A. Community Education and Development

SEMESTER-I

- | | |
|---|-------------------------------|
| I. Community Development and Organization | III. Empowerment of Community |
| II. Indian Social Structure | IV. Research Methodology |
| • Project work/community work/field work | |

SEMESTER-II

- | | |
|--|---|
| I. Community Social Psychology | III. Corporate Social Responsibility |
| II. Urbanization and Slums | IV. Human Resource Development and Training |
| • Project work/community work/field work | |

SEMESTER-III

- | | |
|--|--------------------------------------|
| I. Conflict Resolution | III. Community Counseling |
| II. Population and Health Education | IV. Education and Life Long Learning |
| • Project work/community work/field work | |

SEMESTER-IV

- | | |
|--|---|
| I. Rural Development Entrepreneurship | III. Panchayati Raj System in India |
| II. Human Rights and Duties | IV. Environmental Education and Disaster Management |
| • Project work/community work/field work | |

Internship : A candidate is required to undergo an internship for a period of two weeks after the end of session of second and fourth semester.

B.Ed. Special Education (Specialization in Learning Disability)

SEMESTER-I

Theory Papers

- | | |
|---|---|
| Paper-I Education in India: A Global Perspective | Paper V (b) Teaching of other subjects |
| Paper-II Educational Psychology and Persons with Disabilities | (Optional) (i) Teaching of Social Studies |
| Paper-III Nature and Needs of Various Disabilities: An Introduction | OR |
| Paper IV (a) Teaching of Language | (ii) Teaching of Science |
| (Optional) (i) Teaching of English | OR |
| (ii) Teaching of Hindi | (iii) Teaching of Mathematics |
| (iii) Teaching of Punjabi | |

Practicum

ITEMS

Sr. No.

- 1(a) Teaching Practice
- 1(b) Assessment of Lesson Plans
2. Preparation of Teaching Learning Aids
3. Black Board Writing Skills
4. Case Study

Practicum

ITEMS

Sr. No.

5. Visits and Report Writing
6. Psychological Tests
7. Identification of Children with Special Needs

SEMESTER-II

Theory Papers

Paper-I	Introduction to Learning Disability	Paper-III	Intervention and Remediation in Learning Disability
Paper-II	Assessment of Children with Learning Disability	Paper-IV	Educational Planning and Management Curriculum Designing and Research

Practicum ITEMS

Sr. No.

- 1(a) Teaching Practice
- 1(b) Assessment of Remedial Lesson Plans
2. Preparation of Teaching Learning Aids
3. Administration of Standardized Tests

Practicum ITEMS

Sr. No.

4. Development and Administration of Teacher Made Tests
5. Curriculum Adaptation
6. Case study with Individualized Educational Programme

M.Ed. Special Education (Learning Disability)

SEMESTER-I

Theory Papers

Practicum ITEMS

Sr. No.

- | | |
|----------|---|
| Paper-I | Development in Special Education |
| Paper-II | Advanced Educational Psychology and Human Development |

Practicum : Case Study

Practicum ITEMS

- | | |
|-----------|-------------------------------------|
| Paper-III | Research Methodology and Statistics |
| Paper-IV | Dissertation (Synopsis) |

SEMESTER-II

Theory Papers

Practicum ITEMS

Sr. No.

- | | |
|---------|---|
| Paper-I | Paper-1 |
| | Option (i) Management in special Education OR |
| | Option (ii) Educational Technology OR |
| | Option (iii) Curriculum Development |

Practicum ITEMS

- | | |
|-----------|---|
| Paper-II | Learning Disability Identification and Assessment |
| Paper-III | Learning Disability Curriculum and Intervention |
| Paper-IV | Dissertation (Submission of Dissertation) |

Practicum : Pre-service lectures

DEPARTMENT OF EDUCATION

About the Department

The Department was started in 1963 with M.Ed. regular course. Subsequently M.Ed. (Evening) Course for in-service teachers (1969); M.A. (Education) (1979); M.Phil. (Education) (1979); M.Ed. (Guidance & Counselling) (1991) and M.Ed. (Educational Technology) (1991) were added. The Department also runs Ph.D. program. A Pre-Ph.D. course in Education is being conducted for Ph.D. research scholars. Currently

M.Ed. (Evening) and M.Phil. (Edu.) programs have been kept in abeyance. The Department has been 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. Currently the Department has been awarded SAP (DSA) Status with a grant of Rs. 75 lac (as per the display on their website w.e.f. February, 2013). The Department has been running a Students Exchange Program with Simon Fraser University, Burnaby, Canada since session 2005-2006.

Faculty

Particular	Name	Area of Specialization
Professor Emeritus	J. N. Joshi (Retd.)	<i>Research Methods Measurement & Evaluation</i>
Professors	Vandana Mehra (Chairperson)	<i>Educational Technology, Curriculum Development, Research Methods, Teacher Education.</i>
	Raj Kumari Gupta	<i>Exceptionality, Guidance & Counselling, Research Methods, Human Development</i>
	Nandita Shukla Singh	<i>Philosophical & Sociological Foundations of Education, Teacher Education, Human Rights & Value Education</i>
Professors Re-employed	Hargurmeet Singh Bajwa	<i>Educational Statistics, Research Methods, Measurement & Evaluation, Guidance & Counselling</i>
	Sukhwant Bajwa	<i>Research, Guidance & Counselling</i>
Associate Professors	Kirandeep Singh	<i>Guidance & Counselling w.r.t. Career Psychology & Organizational Psychology, Human Development.</i>
	Latika Sharma	<i>Life Long Education; Philosophical, Sociological and Psychological Foundations; Education Administration; Teacher Education</i>
Assistant Professor	Kuldeep Kaur	<i>Educational Psychology, Special Education, Educational Statistics, Guidance & Counselling,</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.Ed. (General)	35	1 year	B.Ed. with 55% marks (50% for S.C./S.T./B.C. Candidates)+ M.Ed. Entrance Test (20% passing marks for general category, 15% passing marks for S.C./S.T./B.C. and Blind Candidates)
M.Ed. (Guidance & Counselling)	35	1 year	-do-
M.Ed. (Educational Technology)	35	1 year	-do-
M.A. (Education)	25	2 years	(I) For (Indian Nationals) : Bachelor's degree with minimum 50% & 45% for marks S.C./S.T./B.C. Candidates (with either Education, Philosophy, Psychology or Sociology)

M.Ed. (Educational Technology)

SEMESTER-I & II

Paper Course Title

- 1 Theoretical Bases of Educational Process (Philosophical and Sociological Foundations)
- 2 Psychological Interpretation of Learning and Implications for Instructions
- 3 Research in Education and Statistical Analysis
- 4 Process of Course Designing
- 5 Designing Individualized Instructions
- 6 Instruments for Classroom Use Audio Visual and Computers
- 7 Dissertation/Research Proposal

M.A. (Education)

SEMESTER-I & II

PART I : Foundation Papers (Papers 1, 2, 3 Sem-I & 6, 7, 8 Sem-II) (Compulsory for all)

Paper Course Title

- 1 Philosophical and Sociological Foundations of Education
- 2 Educational Psychology
- 3 Educational Research & Statistics

PART II : Optional Papers (Papers 4, 5 Sem-I & 9 & 10 Sem-II) Any two of the following :

Paper Course Title

- A Educational Measurement & Evaluation
- B Guidance & Counselling
- C Educational Technology
- D Special Education

Paper Course Title

- E Population Education and Environmental Education
- F Value Education & Human Rights Education
- G Educational Administration & Management
- H Lifelong Education

SEMESTER-III & IV

PART I : Foundation Papers (Papers 11, 12, 13 Sem-III & 16, 17, 18 Sem-IV) (Compulsory for all)

Paper Course Title

- 11 History and Contemporary issues of Indian Education-III
- 12 Curriculum Development-III
- 13 Dissertation Proposal/Synopsis

PART II : Optional Papers (Papers 14, 15 Sem-III & 19, 20 Sem-IV) any two of the following:

Paper Course Title

- A Educational Measurement & Evaluation
- B Guidance & Counselling
- C Educational Technology
- D Special Education

Paper Course Title

- E Population Education and Environmental Education
- F Value Education & Human Rights Education
- G Educational Administration & Management
- H Lifelong Education

4. Special Assistance Programme (SAP)

Currently the Department has been awarded SAP (DSA) Status with a grant of Rs. 75 lac (as per the display on their website w.e.f. February, 2013).

Thrust Areas

Education for Peace, Values & Sustainable development.

INSTITUTE OF EDUCATION TECHNOLOGY AND VOCATIONAL EDUCATION

About the Institute

The Institute was started in July 2007 as collaborative effort of Department of Education, Centre for Adult and Continuing Education and Extension and Regional Resource Centre, Panjab University. A four year integrated course B.A. Hons (Education) B.Ed. is offered in the Institute with an intake of 50 students.

The mission of Institute is to train student teachers to become dedicated, committed, socially concerned, morally upright and spiritually oriented teachers. The focus of this four year course is to prepare quality teachers through rigorous, consistent and expanded grooming into the profession at elementary and secondary school stage.

Faculty

Particular	Name	Field of Research Specialization
Professors	Vandana Mehra (Chief Coordinator)	Educational Technology, Teacher Education
	Sween (Coordinator)	Education
Assistant Professors	Rekha Rani	<i>Teaching of Mathematics Research Methodology and statistics, Special Education, Educational Technology.</i>
	Kanwalpreet Kaur	<i>Educational Psychology, Educational Sociology, Educational Technology, Research Methodology and Statistics.</i>
	Kalpana Thakur	<i>Educational Technology, Curriculum Development Research Methodology and Statistics.</i>
	Amritpal Kaur	<i>Educational Psychology, Teaching of S. St, Educational Technology, Guidance and Counselling.</i>
	Sumita Vig	<i>Educational Technology and Special Education.</i>

Course Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.A. Hons. (Edu.) B.Ed.	50	4 years	50% in 12 th Class from any Board/University (45% for SC/ST) The candidate must not be more than 20 years of age as on 1st August of the year in which admission is sought to the first semester (22 years in case of SC/ST). Qualifying marks for Entrance Test 40% Weightage for Entrance 40% Weightage for Interview 10% Weightage for merit in 12 th 50%

Rules

1. The admission shall be on the merit of Entrance Test and 10+2 marks. No candidate shall be eligible for admission to B.A. Hons (Education) B.Ed. 1st semester unless he/she appears in the Entrance

Test of the relevant year of admission. A student who falls short of lectures in the 1st Semester shall be eligible for admission again through the entrance test provided he/she fulfills all other eligibility conditions.

2. No condonation shall be allowed in case a candidate has attended less than 33% of lectures delivered for each paper/subject/special lecture.
3. For condonation of lectures on the ground of interim hardship cases (including medical grounds, information to the effect along with the supporting documents), if any should be submitted to the department within seven days after the hardship is over so that the medical and fitness certificate could be got countersigned by the Chief Medical Officer of Panjab University, before the condonation period.

Course Highlights

1. Course Highlights for first six semesters

- A. Two foundation courses in Education in each semester (compulsory for all)

SEMESTER I

- (BABED-EDUC01) Education in Emerging Indian Society
- (BABED-EDUC02) School Administration and Organization

SEMESTER II

- (BABED-EDUC03) Philosophical and Sociological foundations of Education
- (BABED-EDUC04) Psychological Foundations of Education

SEMESTER III

- (BABED-EDUC05) Human Development
- (BABED-EDUC06) School-Community Participation

SEMESTER IV

- (BABED-EDUC07) Curriculum development and Evaluation
- (BABED-EDUC08) Guidance and Counseling

SEMESTER V

- (BABED-EDUC09) Technological Bases of Education and Pedagogy
- (BABED-EDUC10) School Management and Administration

SEMESTER VI

- (BABED-EDUC11) Educational Research
- (BABED-EDUC12) Value Education

- B. Two compulsory papers of B.A. viz English and Punjabi (or HCP) in each semester

- C. Two optional papers out of English (Elective), Punjabi (Elective), Hindi, Political Science, Economics, Sociology, Mathematics, Geography and History.

- D. General Practicum

(a) School related practicum (b) Life skills training (c) Tutorials

2. Four theory courses in education and two in Methodology of Teaching subjects in VII Semester.

- (BABED-EDUC13) Philosophical, Sociological and Political perspective
- (BABED-EDUC14) The Learner Nature and Development
- (BABED-EDUC15) Theory of Instructional technology and Evaluation
- (BABED-EDUC16) School organization and Management

3. An internship of two months, a computer course, tasks related to internship in Eighth Semester

Twenty to forty percent of Academic Transactions are done through Team/Individual projects, assignments, presentations in all the papers. Improving communication skills of students is one of the main thrust of academic transactions.

Thrust Areas

Educational Technology, Educational Philosophy, Educational Psychology, Educational Sociology, communication skills, life skills.

DEPARTMENT OF LIFE LONG LEARNING AND EXTENSION

About the Department

The Department of Life Long Learning & Extension is the new name given to the Centre for Adult, Continuing Education and Extension, Panjab University, Chandigarh. The mandate of the department is to expand global knowledge scenario by involving schools, P.U, NGOs, affiliated colleges and University Campus. The Department attends to the needs of weaker sections of the society, street children, school dropouts, women, students, employees and other members of the Community. The main thrust of Life Long Learning programs is to provide a wide variety of life long learning opportunities to all sections of society, which includes – continuing education courses– University and community centered, skill training, vocational courses, individual interest promotion, quality of life improvement and sensitization programs. The Department concentrates on activities, which include teaching (degree and diploma), awareness generation and skill up-gradation programs.

Faculty

Particular	Name	Field of Research Specialization
Professor	Sween (Chairperson)	<i>Education; Environmental Education; Guidance and Counseling; Extension Education; Continuing Education; Women and Development</i>
Assistant Professors	Renu Gandhi	<i>Adolescents Education; Adult Education and Life Long Learning; Sociology of Education; Women Empowerment; Extension Education; Organizing Research Methodology Programme for University Students</i>
	Prabha Vig	<i>Education; Guidance and Counseling; Fashion Designing Extension Education; Adult Education and Life Long Learning</i>
	Parmjit Singh Kang	<i>Organizing Programme on Computer Literacy and UGC/NET.</i>

Course Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
Diploma in Preschool Education	15	1 year (2 Semesters)	10+2 in any stream from any recognized board

Title of Syllabi :

Diploma in Preschool Education

Thrust Areas

Computer Literacy. Life Long Learning and Adult Education. Awareness Generation. Vocational Courses. Remedial Coaching School Students. Skill Generation and Up Gradation. Research, Training, Extension, Short term Certificate and Non-Certificate Courses, Workshops, Symposium, Interfaces, Conferences and Seminars.

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. (One Year), M.P.Ed. (Two Years), M.Phil., Doctoral and Post Doctoral (D. Lit.) 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 to serve 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

Particular	Name	Field of Research Specialization
Professor Re-employed	G.S.Brar	<i>Sports Training, History of Physical Education and Sports</i>
Associate Professors	Dalwinder Singh (Chairperson) Gurmeet Singh	<i>Sports Psychology, Sports Management, Sports Training</i> <i>Sports Training, Sports Psychology, Biomechanics</i>
Assistant Professors	Raj Kumar Thingnam Nandalal Singh	<i>Sports Psychology, Sports Sociology</i> <i>Health and Fitness Scientific Training, Measurement and Evaluation</i>

Courses Offered :

COURSE	SEATS	DURATION
B.P.Ed.	34+2NRI	1 year

ELIGIBILITY/ADMISSION CRITERIA FOR B.P.Ed.

Bachelor’s Degree with Physical Education as an elective subject with fifty per cent marks; Or

Bachelor’s Degree with Physical Education as an elective subject with forty five per cent marks participation in National or State or Inter-University competitions in sports or games or athletics recognized by association of Indian Universities or Indian Olympic Association; Or

Bachelor’s Degree with forty-five per cent marks and having participated in National or State or Inter-University Sports or games or athletics; Or

For deputed in-service candidates (i.e. trained physical education teachers/coaches) Graduation with forty-five percent marks, and at least three years of teaching experience;

Provided that the candidate admitted under above clauses qualifies in the Standard Physical Efficiency Test, as defined by the Syndicate, at the time of Admission.

Provided that the reservation in seats for SC/ST/OBC and other categories shall be as in accordance with the Central Government/State Government rules and a relaxation of five percent in marks in eligibility qualification shall be allowed to candidates belonging to those categories.

ELIGIBILITY/ADMISSION CRITERIA FOR M.P.Ed.

- (a) Candidates who have obtained at least fifty five percent marks in the B.P.Ed. Degree/or B.Sc. degree in Physical Education, Health Education and Sports from Panjab University are eligible for admission.
- (b) Bachelor's Degree of Physical Education (after Graduation)/Post-Graduate Diploma in Physical Education of another University recognized by Panjab University obtaining not less than 55% marks.
- (c) A Bachelor of Physical Education (Four Years Degree after 10+2) of any other University recognized by Panjab University obtaining not less than 55% marks.
- (d) Any other qualification recognized by the Syndicate as equivalent to (a), (b) or (c).

Provided that the candidate admitted under any of the clauses (a) to (d) qualifies in the Standard Physical Efficiency Test.

Provided that the reservation in seats for SC/ST/OBC and other categories shall be as in accordance with the Central Government/State Government rules and a relaxation of five percent in marks in eligibility qualification shall be allowed to candidates belonging to those categories.

M.Phil.	10+5 NRI	1 year (Two Semesters)	<ul style="list-style-type: none">• <i>The qualification for admission to the course shall be M.P.Ed. of Panjab University with at least 55% marks (50% marks for SC/ST category) OR</i>• <i>M.P.Ed. (two years) degree with 55% (50% marks for SC/ST category) marks of any other University recognized by Panjab University.</i>• <i>Minimum aggregate marks to Pass: As per University regulation.</i>• <i>Admission shall be on the basis of Panjab University Entrance Test.</i>
Ph.D.	Subject to Availability	3-5 years	See General Important Guidelines
D.Litt.	Subject to availability	3-5 years	See General Important Guidelines

- Note:**
- (a) Admission to B.P.Ed. and M.P.Ed. will be on the basis of Entrance Test.
 - (b) Additional Sports weightage will be provided as per the latest information incorporated in the Handbook.

Title of Syllabi

B.P.Ed.

(Semester System)

The course of instruction for the B.P.Ed Examination consists of three parts as under :

PART - I	Theory Papers	1200 Marks
PART - II	Practice of Teaching	500 Marks
PART - III	Skill and Prowess	300 Marks

Total : 2000 Marks

M.P.Ed.**(Semester System)**

The course of instruction for the M.P.Ed Semester Examination consists of three parts as under :

Part - I	Theory Papers	2000 Marks
Part - II	Practice of Teaching and Coaching <i>Teaching : Semester-I & III</i> <i>Coaching : Semester-II & IV</i>	800 Marks
Part - III	Skill and Prowess	200 Marks

Total : 3000 Marks

M.Phil.

Scheme of M.Phil. Examination	External Evaluation Maximum Marks	Sessional Marks	Aggregate Pass Marks
SEMESTER-I			
Paper-I: Research Methods and Applied Statistics	80	20	As Per University Regulation
Paper-II: Specialization Area (Two Papers)			
• <i>Paper-A</i>	80	20	As Per University Regulation
• <i>Paper -B</i>	80	20	As Per University Regulation
SEMESTER-II			
Paper-III: Dissertation	240	60	As Per University Regulation

Total : 600 Marks

Thrust Areas

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

V. FACULTY OF ENGINEERING & TECHNOLOGY

Dr. S.S. BHATNAGAR UNIVERSITY INSTITUTE OF CHEMICAL ENGINEERING & TECHNOLOGY

About the Institute

The Dr. S.S. Bhatnagar University Institute of Chemical Engineering and Technology, Panjab University, (<http://www.pu.ac.in/cet>) is a premier Institute in Northern India imparting quality education in Chemical Engineering, Food Technology, Polymer Technology and Industrial Chemistry; the programmes in polymer technology and industrial chemistry are offered at the post graduate level only. The Institute was set up in 1958 in collaboration with the Illinois Institute of Technology Chicago, USA, and continues to maintain global standards of excellence in education and research. The Institute has attained a status of eminence in academia, R&D, consultancy - in India and around the world. The faculty members maintain close interaction with the industry, government, statutory organizations etc. and contribute extensively to research, industrial consultancy and public policy.

Faculty

Particular	Name	Field of Research Specialization
Professors (re-employed)	Virender Kumar Rattan	<i>Thermodynamics/Environmental Engineering</i>
	Rakesh Kumar Chhabra	<i>Magneto hydrodynamics/ Electrohydrodynamics Stability Problems</i>
	Ravinder Kumar Wanchoo	<i>Complex flow hydrodynamics, Heat transfer, Modeling & Simulation, Polymer Physics</i>
Professors	U.S. Shivhare (Chairperson)	<i>Food Technology</i>
	Meenakshi Goyal	<i>Chemical Technology -I and II</i>
	Neeta Sharma	<i>Inorganic Chemistry, Applied/Environmental Chemistry, Analytical Techniques/Chemistry</i>
	Sanchita Chauhan	<i>Reaction Engg., Env. Engg., Modeling and Simulation</i>
	Amritpal Toor	<i>Mass transfer and Environment Engineering</i>
	Anupama Sharma	<i>Polymer Science Engineering, Polyurethane Synthesis & Modeling</i>
	Anupama Thakur	<i>Polymer Science Engineering</i>
	Seema Kapoor	<i>Thermodynamics, Energy Technology, Bio-material Engg.</i>
Ritu Gupta	<i>Hydrodynamics, Process Dynamics & Control, Modeling & Simulation</i>	
Associate Professor	Subodh Kumar Aggrawal	<i>Heat Transfer</i>
	Urvashi Gupta	<i>Stability Problems in Hydromagnetics</i>
	Sushil Kumar Kansal	<i>Mass Transfer/ Environmental Engineering/Nano Technology</i>

Assistant Professors	Santanu Basu	<i>Food Technology</i>
	Gargi Ghoshal	<i>Food Technology</i>
	Maninder Kaur	<i>Power System</i>
	Gaurav Verma	<i>Polymers and Material Science, Nano Technology</i>
	Amit Sobti	<i>Complex flow hydrodynamics</i>
	Baljinder Kaur Gill	<i>Chemical Thermodynamics</i>
	Gaurav Rattan	<i>Thermodynamics</i>
	Surinder Singh	<i>Petroleum Engineering, Separation Technology, Energy & Environment</i>
	Sonia Sharma	<i>Biomaterial</i>
	Jodh Singh	<i>Mechanical Engg.</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.E. (Chemical)	89+11 NRI	4 years	Refer to Joint Admission Brouchure-2014 on Panjab University website
B.E. (Food Technology)	30	4 years	-do-
5½ Year Integrated B.E. (Chemical with MBA)	36+5NRI+ 3EWS	5½ years	-do-
M.E. (Chemical)	20	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.

Admission is on the basis of Entrance Test P.U.-CET-(P.G) and interview to be conducted by the Panjab University. The merit list of eligible P.U.-CET-(P.G) qualified candidates shall be as per the following criteria:

Degree Marks : 50%

Entrance Test : 50%

GATE qualified candidates will be exempted from the P.U.-CET-(P.G.). However, in case of eligible GATE qualified candidates the merit list will be as per the Percentile obtained and shall be offered the seat at the first instance.

M.Tech. (Polymer)	15+5 Part-time 2 years	<p>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.</p>
		OR
		<p>Master's degree in Technical Chemistry/ Applied Chemistry/ Industrial Chemistry/ Chemistry (with Mathematics upto graduation or an equivalent examination) with at least 55% marks in the aggregate from Panjab University or any other university recognized by Panjab University as equivalent thereto.</p>
		<p>Admission is on the basis of Entrance Test P.U.-CET-(P.G) and interview to be conducted by the Panjab University. The merit list of eligible P.U.-CET-(P.G) qualified candidates shall be as per the following criteria:</p>
		Degree Marks : 50%
		Entrance Test : 50%
		<p>GATE qualified candidates will be exempted from the P.U.-CET-(P.G). However, in case of eligible GATE qualified candidates the merit list will be as per the Percentile obtained and shall be offered the seat at the first instance.</p>
M.Sc. (Industrial Chemistry)	17 2 years	<p>B.Sc. (Three Year Course) with Mathematics and Chemistry as compulsory subjects/B.Sc. (Hons.School)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.</p>

			Admission is on the basis of Entrance Test P.U.-CET-(P.G) and interview to be conducted by the Panjab University. The merit list of eligible P.U.-CET-(P.G) qualified candidates shall be as per the following criteria:
			Degree Marks : 50% Entrance Test : 50%
M.E. (Food Technology)	10	2 years (Semester System)	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. (Chemical) 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).
			Admission on the basis of Aptitude Test conducted by the Institute, or as decided by the Syndicate. GATE qualified candidates will be exempted from the Aptitude Test and in case of eligible GATE qualified candidates the merit list will be as per the Percentile obtained and shall be offered the seat at the first instance.
M.E. (Chemical with specialization in Environmental Engineering)	10	2 years (Semester System)	B.E./B.Tech. (Chemical) 04 years or Five Year Integrated B.E. (Chemical) 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. (Chemical) with MBA or any other equivalent qualifying degree as approved by the Syndicate.
			Admission on the basis of Aptitude Test conducted by the Institute, or as decided by the Syndicate. GATE qualified candidates will be exempted from the Aptitude Test and in case of eligible GATE qualified candidates the merit list will be as per the Percentile obtained and shall be offered the seat at the first instance.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines
Only titles of Syllabi :	(Detailed Syllabi already exists on the (P.U.Website)		

Thrust Areas :

Adsorption of some organic and inorganic adsorbates from aqueous solution on activated carbons, Polyurethane-clay nanocomposites coatings, Nanomaterials and their application, Polymer based nanocomposites, Modeling of polymer reactors, Polymer Rheology, Environment Engineering, Chemical Reaction Engineering & Thermodynamics, Agro Residues and Food Processing, Biomaterials, Biopolymers, Food Product Development.

UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY

About the Institute

Started in 2002, measuring up to high standards of university, the institute has set quality standards in technical education. The highly qualified faculty is the backbone of institute. The institute is currently running six BE and four ME/M.Tech. courses with an overall strength of about 2500 students. BE courses include Computer Science & Engineering, Electronics and Communication Engineering, Electrical & Electronics Engineering, Mechanical Engineering, Information Technology and Biotechnology. In addition, 5-years Integrated degree in BE with MBA has also been started from 2008-2009. ME/M.Tech. courses are conducted in ECE, IT, CSE, and Micro electronics, Part-time Ph.D. facility provides opportunity to Research Scholars in Engineering & Technology. Well equipped laboratories provide the exposure to the students in practicals. State of art computer facilities, independent broad band internet connectivity provide ample scope for students to learn round the clock. Dedicated 2 mbps Internet connectivity and Wi-Fi connectivity apart from university connectivity has reduced locational dependence of the students. In fact students with laptops avail the facility in the institute as well as in the hostels. With the updation/revision of syllabi, more practical activities have been made computer based. Engineering Drawing using AUTOCAD has been made compulsory for students of all branches in the first year.

Being the part of the University, Research and Development is the focus of the institute. Faculty members carry out R & D activities that result in the published research work at the national and international level. The faculty is working on various sponsored research projects with a financial support of around Rs. 100 lacs from various agencies like DIT, AICTE, DST and Department of Biotechnology etc. Conferences, seminars and workshops are continuous process of interaction at various levels among the students, faculty and the experts from industry as well as organizations. Integrated development of the students as professionals with soft skills is emphasized upon.

The placement of the institute has been excellent, achieving 100% placements for the last four years. The response from the top industrial houses has been overwhelming to prove that the institute is producing the quality engineerings. The MOUs signed with industrial houses like Infosys, IBM, Sun Microsystems etc., institutes of national importance and organizations have brought the students and faculty closer to the real world of work in the industry.

Faculty

Professors	: Renu Vig (Director) J.K. Goswamy	Savita Gupta Sanjeev Puri	Sukhwinder Singh Harmesh Kumar
Associate Professors	: Gurdeep Singh Manu Sharma Sarbjeeet Singh	Manoj Kumar Sharma Sanjay Vohra Sakshi Kaushal	Vinay Kumar Harish Kumar

Assistant Professors	Monika Randhawa Inderdeep Kaur Saurabh Bhatia Veenu Mangat Naresh Kumar Jaget Singh Mukesh Kumar Jaspreet Kaur Makhan Singh Nisha Tayal Harbinder Singh Vishal Gupta Jaswinder Singh Mehta Rajesh Kumar Preeti Gupta Nidhi Amit Chaudhary Gaurav Sapra Sukesha Nirmal Kaur Gagandeep Singh Mintto Ratta Prashanta Kumar Nanda	Roopali Garg Y.P. Verma Sharmelee Thangjam Kalpana Dahiya Amrinder Pal Singh Sumit Budhiraja Shankar Sehgal Hema Setia Puneet Jai Kaur Shuchi Gupta Surjit Singh Amandeep Verma Amit Chauhan Preetika Sharma Neeraj Sharma Puneet Kaur Praveen Goyal Parul Gaur Monika Mamta Juneja Aditya Kaushik Anil Kumar	Meenu Arvind Kumar Deepak Kumar Naveen Aggarwal Vishal Sharma Sunil Agrawal Mandeep Kaur Anupreet Kaur Shailendra Kr. Arya Damanjeet Kaur Poonam Sood Amandeep S. Wadhwa Prashant Jindal Sarpreet Kaur Charu Madhu Preeti Anjali Gupta Raj Kumari Akashdeep Rohit Kumar Tukesh Soni Renu Thapar
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Faculty on Contract :

Name	Designation	Name	Designation
Preeti Aggarwal	Asstt. Prof. CSE	Jyoti Sood	Asstt. Prof. Physics
Jyoti Sharma	Asstt. Prof. Math	Dhriti	Asstt. Prof. CSE
Hitesh Kapoor	Asstt. Prof. Mgt.	Anu Jhamb	Asstt. Prof. Mgt.
Anaahat Dhinda	Asstt. Prof. ECE	Geetu	Asstt. Prof. Physics
Jatinder Singh	Asstt. Prof. ECE	Sarvjit Singh	Asstt. Prof. ECE
Gurmukh Singh	Asstt. Prof. IT	Garima Joshi	Asstt. Prof. ECE
Nidhi	Asstt. Prof. IT	Daljit Kaur	Asstt. Prof. ECE
Sanjiv Kumar	Asstt. Prof. ECE	Rajni Sobti	Asstt. Prof. IT
Himanshu	Asstt. Prof. CSE	Sukhvir Singh	Asstt. Prof. IT
Manu Bansal	Asstt. Prof. IT	Renuka Rai	Asstt. Prof. Chem.
Shaweta Mehta	Asstt. Prof. IT	Pardeep Kaur	Asstt. Prof. ECE
Manisha Kaushal	Asstt. Prof. CSE	Aditi Gupta	Asstt. Prof. EEE
Harvinder Kaur	Asstt. Prof. ECE	Ranjana Bhatia	Asstt. Prof. Bio-Tech.
Sabhyata Soni	Asstt. Prof. ECE	Anu Priya Mindas	Asstt. Prof. Bio-Tech.
Prabhjot Kaur	Asstt. Prof. Maths	Vijay Kumar	Asstt. Prof. Micro-ECE
Parminder Kaur	Asstt. Prof. Bio-Tech.	Minakshi Garg	Asstt. Prof. Bio-Tech.
Gurpreet Kaur	Asstt. Prof. ECE	Kuldeep Singh Bedi	Asstt. Prof. EEE
Gursharan Singh	Asstt. Prof. Bio-Tech.	Chander Prakash	Asstt. Prof. Mech.
Amit Thakur	Asstt. Prof. Mech.	Mamta Sharma	Asstt. Prof. Applied Physics
Leetika	Asstt. Prof. Applied Maths	Munish Kansal	Asstt. Prof. Applied Maths
Gurjinder Singh	Asstt. Prof. Applied Maths		

Guest Faculty

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 PEC University of Technology, National Institute of Pharmaceutical Education & Research (NIPER), Institute of Microbial Technology (IMTECH) and NITTTR, Chandigarh, College of Engineering & Technology etc.

Courses Offered :

Bachelor in Engineering (B.E.)

SUBJECT	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
Computer Science & Engineering	98+5 EWS +5 NRI	4 years	Admission will be based on Rank declared by CBSE by giving 40% weightage for performance in class 12th Board marks normalized on percentile basis and 60% weightage given for performance in JEE (main). The candidate should have passed 10+2 or its equivalent examination with at least 60% marks in aggregate (55% marks in case of S.C./S.T./Phycically Challenged), conducted by a recognized Board/ University/Council in March/April 2014 and not earlier than March/April 2012. All the candidates declared eligible by CBSE for BE counselling are eligible for registration for B.E. Courses.
Information Technology	98+5 EWS +5 NRI	4 years	
Electronics & Communication	98+5 EWS +5 NRI	4 years	
Bio-Technology	71+4 EWS +3 NRI	4 years	
Electrical and Electronics	71+4 EWS +3 NRI	4 years	
Mechanical	71+4 EWS +3 NRI	4 years	

5 Years Integrated Bachelor in Engineering (B.E.) with MBA

Computer Science & Engineering	10	5 years	Admission will be based on Rank declared by CBSE by giving 40% weightage for performance in class 12th Board marks normalized on percentile basis and 60% weightage given for performance in JEE (main). The candidate should have passed 10+2 or its equivalent examination with at least 60% marks in aggregate (55% marks in case of S.C./S.T./Phycically Challenged), conducted by a recognized Board/ University/Council in March/April 2014 and not earlier than March/April 2012. All the candidates declared eligible by CBSE for BE counselling are eligible for registration for B.E. Courses.
Information Technology	10	5 years	
Electronics & Communication	10	5 years	
Bio-Technology	10	5 years	
Electrical and Electronics	10	5 years	
Mechanical	10	5 years	

- Notes :
1. All the candidates declared eligible by CBSE for B.E. Counseling are eligible.
 2. Candidates who have passed the 10+2 examination of Mahila Gram Vidyapith, Allahabad or any other Institute not recognized by the Panjab University, will not be considered for admission.

Master in Engineering

COURSE	SEATS	DURATION	ELIGIBILITY
Electronics and Communication Engineering	20*+2NRI	2 years	B.E. or B.Tech. or equivalent in Electronics/ Electronics & Communication Engineering/ Electronic and Telecom Engineering with at least 60% marks in aggregate from Panjab University or any other university recognized by Panjab University as equivalent thereto.
Computer Science & Engineering	20*+2NRI	2 years	B.E. or B.Tech. or equivalent in Computer Science and Engineering/Information Technology with at least 60% marks in aggregate from Panjab University or any other University recognized by Panjab University as equivalent thereto.
Information Technology	20*+2NRI	2 years	-do-
M.Tech. Microelectronics	12*+3 SC/ST +2NRI	2 years	B.E./B.Tech. or equivalent degree in Computer Science and Engineering/Electrical/ Electronics/Microelectronics/Electronics & Electrical Communications/Electronics & Telecommunication/Information Instrumentation Engineering/ M.Sc. Applied Physics/M.Sc. Physics with specialization in 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.

***No. of Gate scholarship approved in various ME programme are as below :**

Branch	Approved scholarships
Electronics and Communication	16
Computer Science & Engineering	20
Information Technology	18
M.Tech. Microelectronics	12

The candidates will get these fellowships/scholarships on merit basis. The candidates admitted beyond the approved scholarships will have no claim for the same.

ADMISSION CRITERIA FOR M.E./M.TECH.

B.E. or B.Tech. or equivalent in their respective streams with at least 60% marks in the aggregate from Panjab University or any other university recognized by Panjab University as equivalent thereto. **Only GATE qualified candidates will be considered.**

Course Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.E. Mechanical Engg.	20+2NRI	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.
M.E. Electrical Engg. (Power System)	20+2NRI	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 Panjab University as equivalent thereto.
M.Tech. Material Sciences & Technology	20+2NRI	2 years	M.Sc. (Physics), M.Sc. (Chemistry), B.E. Mechanical/Electrical/Electrical & Electronics/Civil/Production) with at least 60% marks in aggregate from Panjab University or any other University recognized by Panjab University as equivalent thereto.

ADMISSION CRITERIA FOR M.E./M.TECH.

Admission is on the basis of Aptitude test to be conducted by the Institute and Interview according to the following criteria :

Academic Weightage	:	50%
Entrance Test	:	50%

GATE Qualified candidates will be exempted from the Aptitude Test. However, in case of eligible GATE qualified candidates, the merit list be as per GATE Score obtained and shall be offered the seat at the first instance.

Thrust Areas

UIET has been selected for SAP by UGC under which grant of Rupees forth six lac has been awarded to UIET for carrying out Research in the field of “Signal Processing” particularly in the area of “Active Noise Control”.

Under TEQUIP-II Project, UIET has been selected under Sub-Component 1.1 for Strengthening Infrastructure to improve learning out comes and employability of graduates for which Rs. Ten crores have been sanctioned.

Faculty is working in various areas like Medical Image Processing, Computer Net Working, Cloud Computing, Nano-material Stem Cell etc.

UNIVERSITY CENTRE OF INSTRUMENTATION & MICROELECTRONICS

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 with it 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

Professor	Indu Pal Kaur (Director)	
Assistant Professors	H.P.S.Kang Ramesh K Sharma	Poonam Kumari Anil K Sharma

Courses Offered :

COURSE	SEATS	DURATION
M.Tech (Instrumentation)	10+3 SC/ST+ 2 NRI	2 years

ELIGIBILITY/ADMISSION CRITERIA

B.E./B.Tech. or equivalent Degree in Chemical/Computer/Electrical/Electronics/Mechanical/ Production/Instrumentation/Bio-medical Engineering/ M.Sc. in Physics or Electronics or Instrumentation (as approved by AICTE), with minimum 50% marks in aggregate.

Admission to M.Tech (Instrumentation) will be made by admitting GATE qualified candidates.

The merit list will be prepared according to the following criteria:

GATE Score	:	50%
Academic Weightage	:	50%

Academic Weightage will be based on the percentage of marks obtained by the eligible candidates in the qualifying examination (B.E./B.Tech/M.Sc.).

If any seat(s) remain unfilled, the same will be filled by admitting candidates on the bases of P.U.-CET-(P.G) merit.

The merit list will be prepared according to the following criteria:

Entrance test P.U.-CET-(P.G)	:	50%
Academic Weightage	:	50%

Academic Weightage will be based on the percentage of marks obtained by the eligible candidates in the qualifying examination (B.E./B.Tech/M.Sc.).

The GATE qualified candidates need not to appear in P.U.-CET-(P.G)-2014.

M.Sc . (Instrumentation)	20	2 years	B.Sc. with 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.
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Title of Syllabi :

M.Tech. (Instrumentation), M.Sc.(Instrumentation)

Thrust Area

The Centre houses Sophisticated Instruments and facilities under SAIF viz TEM,SEM, NMRGC-MS, LC-MS/MS, XRD powder, CHN-SO,UV-VIS-NIR, WD-XRF, FTIR SPECTROMETER, LIQUID NITROZEN 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 to the Industry. It also runs training programmes in technical skills for the benefit of Scientific community and associated laboratory staff from different institutes.

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 Central Asian Studies with the aim to provide language assistance for the research work undertaken in respective thrust areas. It was renamed as Department of Chinese and Tibetan Languages in 2003. At present department runs Certificate, Diploma and Advanced Diploma in Chinese and Tibetan. Beside these, department provides research guidance in Chinese Language, Chinese Studies and Tibetan Language/Buddhist Studies.

Prof. Damodar Panda is at present the Chairperson. He joined the department as Reader in Chinese in 1999. Earlier, he served as lecturer at University of Hyderabad, Hyderabad. He also served as Professor at Vishva-Bharti University, Sanitniketan. He went to Beijing, China under the Bilateral Cultural Exchange Programme from 1990-92 to do higher studies in Chinese Language and Chinese Studies. Prof. Vijay Kumar Singh teaches Tibetan.

Building: –Department is situated in the ground floor of Arts Block-5

Department of Library:–Department of Library is equipped with more than 500 books and journals in Chinese Language, Chinese Studies, Tibetan Language and Buddhist Studies. However, books are only for consultation.

Faculty

Professor : **Damodar Panda**
(Chairperson)
Vijay Kumar Singh

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
Certificate in Chinese	57	1 year	Intermediate/Hr. Sec./Pre-Univ./Plus 2
Diploma in Chinese	16	1 year	Certificate in Chinese (From any recognised University)
Advance Diploma in Chinese	11	1 year	Diploma in Chinese (From any recognised University)
Certificate in Tibetan	57	1 year	Intermediate/Hr. Sec./Pre-Univ./Plus 2
Diploma in Tibetan	17	1 year	Certificate in Tibetan (From any recognised University)
Diploma of Proficiency of Interpretership in Tibetan	11	1 year	Diploma in Tibetan (From any recognised University)

Post Graduate Diploma in Buddhist Studies	20	1 year	Graduation in any discipline from any recognized University
*M.A. Buddhist & Tibetan Studies	Private	2 years	Graduation in any discipline from any (For Tibetan Studies recognized University
Ph.D. in Chinese/Chinese	Subject to	3-5 years	General Important Guidelines available in the handbook of information
Ph.D. in Tibetan/Buddhist Studies	Subject to availability	3-5 years	General Important Guidelines available in the handbook of information

*M.A. Buddhist & Tibetan Studies for Private Candidates only.

Thrust areas : Chinese Language, Chinese Studies, Tibetan Language, Buddhist Studies.

DAYANAND CHAIR FOR VEDIC STUDIES

About the Chair

The department of Dayanand Chair for Vedic Studies was established in 1975. The aims and objects 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 Ph.D. 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 Chairman of the department.

Faculty

Particulars	Name	Field of Research Specialization.
Professor	Virendra Kumar Alankar (Acting Chairperson)	<i>Ved, Grammar, Darshan & Literature</i>

Course Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

Thrust Areas

The research work on Vedas and Vedic Literature, Philosophy of Swami Dayananda and his interpretation of the Vedas.

DEPARTMENT OF ENGLISH AND CULTURAL STUDIES

About the Department

The Department of English is one of the premier Centres of English in the country. It offers subjects ranging from Contemporary British Literatures to Indian Writing in English, from World Literatures to Contemporary Critical Approaches. It has a Language Lab with multi-media facilities. In addition, there is a Library which stocks relevant books on literature and language. Apart from imparting instruction at the Master's and Under-graduate (B.Sc. Hons.) 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 and annual play productions. In addition, the Department brings out a refereed research journal bi-annually. 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.

UGC-Special Assistance Programme has been sanctioned to our Department for 5 years–April 2011 to March 2016.

Faculty

Particulars	Name	Field of Research Specialization
Professors Re-Employed	Shelley Walia	<i>Cultural Studies and Postcolonial Theory & Literature</i>
	Manju Jaidka	<i>Poetry, American Literature</i>
Professors	Pushpinder Syal	<i>Linguistics, ELT, Indian, Australian & African Literature</i>
	Anil Raina	<i>Literary Theory</i>
	Rana Nayar	<i>Drama/Theatre/Translation Studies/Literary Theory</i>
	Harpreet Pruthi (Chairperson)	<i>Australian Literature, Shakespeare</i>
	Lovelina Singh	<i>American Literature/European Literature</i>
	Pratibha Nagpal	<i>Indian Writing in Translation, Cultural Studies</i>
	Rumina Sethi	<i>Postcolonial Theory, Indian Writing, Gender Studies</i>
Asstt. Professors	Deepti Gupta	<i>Linguistics, ELT</i>
	Akshaya Kumar	<i>Comparative Indian Literature, Cultural Studies</i>
Asstt. Professors	Surbhi Goel	<i>Cinema Film Studies</i>
	Meenu Gupta	<i>Literary Theory, Poetry</i>
UGC JRFs	Nivedita Gupta, Romilpreet Kaur, Navchetan Benipal, Monica, Amandeep Kaur, Manjot Kaur, Naveeta Negi	
Uni. Scholarship	Ishan Sharma	
Maulana Azad Fellowship	Ranjeet Singh	
Rajiv Gandhi Fellowship	Harpreet Kaur, Ravinder Kaur	

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	100 (95+5 seats for Functional English)+15NRI	2 years (4 semesters)	Bachelor's Degree in any stream with 50% marks (45% marks for SC/ST). Admission based on P.U.-CET-(P.G).
M.Phil	20+2NRI	1 year	Master's Degree with 50% marks admission based on Dept. Entrance Test & Interview.
Ph.D.	Subject to Availability	3-5 years	See General Important Guidelines
EPC (English Proficiency Course)	30	3 months	See General Important Guidelines

Title of Syllabi :**M.A.****SEMESTER-I**

Paper I : Literary Criticism-I
 Paper II : British Poetry-I
 Paper III : British Drama-I
 Paper IV : British Fiction-I

SEMESTER-II

Literary Criticism-II
 British Poetry-II
 British Drama-II
 British Fiction-II

SEMESTER-III

Paper I : Literary Theory-I
 Paper II : Indian Writing in English
 Paper III : (opt. i) Post-colonial Studies
 (opt. ii) Linguistics-I
 (opt. iii) American Literature-I
 (from 1800 to the present)
 (opt. iv) Indian Literary Criticism
 and Theory-I
 Paper IV : (opt. i) Cultural Studies-I
 (opt. ii) Applied Linguistics
 (opt. iii) World Poetry/Novel in
 Translation
 (opt. iv) Shakespeare-I

SEMESTER-IV

Literary Theory-II
 Indian Writing in Translation
 (opt. i) Post-colonial Studies-II
 (opt. ii) Linguistics-II
 (opt. iii) American Literature-II
 (opt. iv) Indian Literary Criticism and
 Theory-II
 (opt. i) Cultural Studies-II
 (opt. ii) Applied Linguistics-II
 (opt. iii) World Drama in Translation
 (opt. iv) Shakespeare-II

M.Phil/Ph.D. Courses

Research Methodology and Critical approaches to Literature, Narrative and Narratology, Novel & Colonial Experience, Discourse Analysis of Film and Media, Turns in Literary Theory, Australian Literature, Study of Genre: Tragedy, American Jewish Fiction, Applied Linguistics, ELT & Stylistics, Linguistics and Literature, Popular Indian Media and Culture: Texts and Contexts, Children's Literature, Documentary Cinema in the 21st Century.

Thrust Areas

The Department concentrates on a wide range of subjects which 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.

DEPARTMENT OF FRENCH AND FRANCOPHONE, LANGUAGES, LITERATURE AND CULTURE STUDIES

About the Department

After having shifted to Chandigarh in 1959, the steady growth of the Department of French shows its resilience, as it is the most vibrant foreign language department, north of Delhi. Keeping pace with the changing times, it has been rechristened the Department of French & Francophone Studies. In order to participate in the economic development, the Department, under the aegis of CIIPP, carries out translation projects for the corporate sector and in order to meet its social obligations, it conducts intensive short-term courses. Other than placement, continuous self culture of the mind is provided by our courses in literature.

Under the auspices of the French Literary Society, various academic and cultural activities are conducted throughout the year. Lectures by eminent scholars are also arranged. It is compulsory for all students of the Department to enroll themselves as members of the Society at the time of admission. The Department uses audio-visual aids including computer for the teaching of French. The library of the Department, Bibliothèque Michel Déon has a rich collection of books in French.

Faculty

Particulars	Name	Field of Research Specialization
Professor	Cecilia Antony	<i>Theatre (xxth)</i>
Associate Professors	M.G Singh (<i>Re-employed</i>)	<i>Linguistics</i>
	G.Randhawa (<i>Chairperson</i>)	<i>Translation</i>
Assistant Professors	A.R.Tickoo	<i>Prose (xxth) Century</i>
	Ramnik Aurora	<i>Travel Literature</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
Certificate	286+38NRI	1 year	Post Graduate/Graduate/Undergraduate candidates/+2/Hr.Sec./Matric+Prep.
Diploma	50	1 year	Certificate course in French/B.A.I with French elective.A2 de L' Alliance Française/Equivalent exam. recognised by P.U.
Advanced Diploma	29	1 year	Diploma Course in French B.A. II with French Elective/equivalent exam. recognized by P.U/B1 de L' Alliance Française

M.A. I & II	17	2 years	(i) B.A./B.Sc./B.Com./B.B.A./B.C.A. or Honours (under 10+2+3 system of education) and Advance Diploma Course in French with at least 45% marks from the Panjab University or any other University.
			OR
			(ii) B.A./B.Sc./B.Com./B.B.A./B.C.A. (under 10+2+3 system of education) with at least 45% in French elective or Honours (under 10+2+3 system of education) from the Panjab University or any other University.
			A candidate shall apply for M.A. in French only if he has the knowledge of the language.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

Many students of the Department have received Scholarships for higher studies in France in various fields. The faculty participates regularly in national and international conferences to promote French language.

Title of Syllabi :

MA.

SEMESTER-I

FRH 101	History of French Literature (16th & 17th centuries)	FRD 103	French Drama (17th & 18th centuries)
FRL 102	Linguistics	FRT 104	Translation (Theory & Commentary)

SEMESTER-II

FRC 201	French Civilization (Geography, French Revolution)	FRD 203	French Drama (19th & 20th centuries)
FRL 202	Linguistics (Structural linguistics)	FRT 204	Translation (Theory & applied)

SEMESTER-III

FRC 301	French civilisation (cinema, music, beaux-arts)	FRN 303	French Novel (18th & 19th centuries)
FRP 302	French Poetry (17th & 19th centuries)	FRM 304	Methodology of teaching French

SEMESTER-IV

FRH 401	History of French Literature (18th, 19th, 20th centuries)	FRF 403	French & Francophone Novel, (20th century)
FRP 402	French Poetry (20th century)	FRM 404	Methodology of teaching French

Thrust Areas

French Language and Francophone Literature/Translation.

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. Programmes in German. The Department of German is the biggest Deptt. in the universities of Punjab, Haryana, Himachal, J & K and Uttaranchal. Many students of the Department have received Scholarships for higher studies in Germany in various fields. Through translation work for the CIIPP Cell of the University, the Department is actively providing support for the University's endeavour to serve the larger community. The faculty members participate regularly in national and international conferences to promote German language, Literature and cultural studies and update their skills to teach the language.

Faculty

Particulars	Name	Field of Research Specialization
Professor	Man Mohan Singh Chauhan (Chairperson)	Language/ Literature
Associate Professor	Jeewan Kumar Sharma	Language/ Translation
Assistant Professor	Arijit Dakshi	Language/ Literature

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
Certificate Course	136	1 year	Hr. Sec./Pre-Uni./ +2 or equivalent or 3 years Diploma from Indo-Swiss Trg. Centre.
Diploma Course	34	1 year	Cert. Course in German / B.A.-I with German elective/ equivalent exam. recognised by P.U. (B2) Course of Goethe Institute, Max Muller Bhavan.
Advanced Diploma	23	1 year	Diploma Course in German/equivalent exam. recognised by P.U. (C2) Course of Goethe Institute, Max Muller Bhavan.

Title of Syllabi

1. Certificate Course in German
2. Diploma Course in German
3. Advanced Diploma Course in German
4. M.A. German I, II, III & IV Semester.

Ph.D.

Admission to Ph.D. in German will be made as per University rules.

Thrust area

German Language and Literature/Translation

GURU RAVI DASS CHAIR OF SANT SAHITYA STUDIES

Faculty

Professor **Pratibha Nagpal**
(Chairperson)

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.

So far 35 students have been awarded Ph.D. degrees and more scholars are encouraged to enrol for the Degree of Docto of Philosophy. The Chair is also engaged in collection of the rare manuscripts of the verses of Saint-poets of Medieval India for the department library.

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 centres 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 Gupt, 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.' Well-known Hindi writers such as Mohan Rakesh, Ravinder Kalia, Dr. Ganga Prasad Vimal, Dr. Virendra Mehendiratta, Dr. Paresh, Dr. Atul Vir Arora have been among its students.

Faculty

Particulars	Name	Field of Research Specialization
Professors	Neerja Sood	<i>Katha Sahitya</i>
	Baijnath Prasad	<i>Bhakti Kavya</i>
Associate Professor	Satya Pal Sehgal	<i>Aadhunik Hindi Sahitya</i>
Assistant Professors	Ashok Kumar	<i>Bhakti Kavya</i>
	Gurmeet Singh	<i>Katha Sahitya</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	68	2 years	B. A. with 45% marks in Elective or 50% marks aggregate.
Diploma Course in Translation (English to Hindi)	68	1 year	Bachelor's Degree or equivalent Exam. Admission criteria passed by University, including written test.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines.

Thrust Area

Medieval and Modern Hindi Literature, Indian Poetries.

Specialization : Philology, Tradition of Hindi Ram Kavya, Hindi Fiction, Modern Hindi Poetry and Prose etc.

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, Dr. 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 (Chairman) and Prof. Yog Raj both have their expertise in the study of Modern Punjabi Literature, especially the poetry, Prof. Nahar Singh and Prof. Joginder Singh Nehru (both re-employed) have significantly contributed in the areas of Culture & Folklore Studies of Punjab and Punjabi Fiction, respectively. The Publication of bi-annual Research Journal 'Parkh' is restarted, after a long gap. The ISSN number of this research journal is 2320-9690.

Faculty

Particulars	Name	Field of Research Specialization
Professors	Nahar Singh	<i>Culture & Folklore</i>
Re-employed	Joginder Singh Nehru	<i>Fiction and Criticism</i>
Professors	Sukhdev Singh (Chairperson)	<i>Modern & Medieval Punjabi Poetry and Literary Criticism</i>
	Yog Raj	<i>Modern Punjabi Poetry Fiction and Literary Criticism</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	68	2 year	B.A. or equivalent with 45 % in Panjabi Elective or 50% aggregate, on Merit basis
Cert. Course in Functional Pbi.	31+4NRI	1 year	+2/B.A./Old F.A./equivalent without Pbi
Diploma in Pbi. Language & Culture	17+2NRI	1 year	B.A./B.Sc. without Pbi. or equivalent exam. or Pass cert. Course in Func. Pbi. on Merit basis
Diploma in Translation (Eng. to Pbi.)	11	1 year	B.A. or equivalent exam.
M.Phil. (Punjabi)	25	1 year	See General important Guidelines
M. Phil (SGGS)	25	1 year	See General important Guidelines

Titles of Syllabi: (Detailed Syllabi already exists on the P.U. Website)

M.A.**SEMESTER-I**

Paper-I	:	Madhkali Pbi. Sahit da Itihas	Paper-IV Opt (ii)	Punjabi Kahani
Paper-II	:	Sahit Sidhant, Sanatani Kaav Shastar ate Pbi Alochna	Hons. Paper-XVII	Guru Nanak Bani Deeragh Adhyan
Paper-III Opt (i)	:	Madhkali Pbi. Kaav -I	Hons. Paper-XVII	Pra-alochana Ate Punjabi
Paper-III Opt (ii)	:	Gurmat ate sufi kaav		Purav Marxvadi Alochna da Adhyan
Paper-IV Opt (i)	:	Punjabi Novel		

SEMESTER-II

Paper-V	:	Adhunik Pbi. Sahit da Itihas	Paper-VIII Opt (i) :	Punjabi Novel da Adhian
Paper-VI	:	Adhunik paschami kav shastar ate viharak Alochna	Paper-VIII Opt (ii)	Punjabi ate Parvasi Punjabi Kahani da Adhian
Paper-VII Opt (i)	:	Madhkali Pbi. Kaav -II	Hons. Paper-XIX	Varis Shah : Deeragh Adhian
Paper-VII Opt (ii)	:	Sufi, kissa ate Bir kaav	Hons. Paper-XX	Uttar Marxvadi Punjabi Alochna da Adhian

SEMESTER-III

Paper-IX	:	Bhasha Vigyan ate Punjabi Bhasha	Paper XII Opt (i)	Punjabi Natak ate Rangmanch da Adhyan - I
Paper-X	:	Sabiachar, Lokdhara ate Punjabi Sabiachar	Paper XII Opt (ii)	Vishaw Da Anuvadit Natak
Paper-XI Opt (i)	:	Adhunik Punjabi Kavita-I	Hons. Paper XXI	Shah Husain Deeragh Adhyan
Paper-XI Opt (ii)	:	Adhunik Punjabi birtantank Kavita-I	Hons. Paper XXII	Pakistani Punjabi Sahit

SEMESTER-IV

Paper-XIII	:	Bhasha Vigyan, Punjabi	Paper XVI Opt (i)	Punjabi Natak ate
		Bhasha ate Gurmukhi Lipi		Rangmanch da Adhyan - II
Paper-XIV	:	Punjabi Lokdhara ate Lok	Paper XVI Opt (ii)	Punjabi Vich Anuvadit
		Sahit		Vishavda Natak
Paper-XV Opt (i)	:	Adhunik Punjabi Kavita-II	Paper XVI Opt (iii)	Punjabi Vartak
Paper-XV Opt (ii)	:	Adhunik Birtantank Punjabi	Hons.Paper XXII	Bhai Vir Singh-Deeragh Adhian
		Kavita-II	Hons.Paper XXIV	Parvasi Punjabi Sahit

M.Phil. (Punjabi)

Course I	:	Research Methodology and	Course III	Poetics of Narrative Fiction,
		Analytical Models		Drama & Prose
Course II	:	Panjabi Poetry		

M.Phil. (SGGS)

Course I	:	Research Methodology and	Course III	Philosophical and Conceptual
		Analytical Models		Study of Guru Granth Sahib
Course II	:	Linguistic, Literary and		
		Cultural Perspectives of		
		Guru Granth Sahib		

Diploma in Translation (Eng. to Punjabi)

Paper-I	:	Principals and Problems of	Paper-III	Practical Translation and
		Translation		Related Problems
Paper-II	:	Problems of Vocabulary and		
		Technical Terminology		

Thrust Areas

- (i) Modern Punjabi Literature and Theory of Literature.
- (ii) Punjabi Language, Folklore and Cultural studies.

BHAI VIR SINGH STUDIES IN MODERN LITERATURE

Faculty

Professor : Vacant
(Charge with Chairperson, School of Panjabi Studies)

The Chair enrolls students for Ph.D. who wish to undertake research on Modern Panjabi Literature & Comparative Literature.

LECTURES:

The Chair organises 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

About the Chair

The Chair was established in 1976.

Faculty

Professor : Vacant
(Charge with Chairperson, School of Panjabi Studies)

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.

PUNJABI LEXICOGRAPHY

About the Department

The Department was established in 1972. The Department has undertaken four projects for college students.

1. English-Punjabi Dictionary
2. Punjabi-English Dictionary
3. Punjabi-Punjabi Dictionary
4. Culinary Glossary

Faculty

Professor & Head : Uma Sethi
Assistant Professor : Akwinder Kaur Tanvi

Two New Projects

1. Punjabi Natak Alochna Shabadavali Kosh
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 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

Particulars	Name	Field of Research Specialization
Professor	Pankaj Malviya (Chairperson)	<i>Russian Language & Literature</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
Certificate	114	1 year	10+2
Diploma	29	1 year	Cert. Course in Russian or equivalent Exam.
Adv. Dip	17	1 year	Diploma Course in Russian or equivalent.
*M.A. (Russian) Private	Private	2 years	Adv. Dip. in Russian & Graduation in any discipline
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines.

Class timings:

The classes for all the courses are normally held in the evening.

Morning/Afternoon groups for the Certificate Course in Russian Language can be arranged, if sufficient number of students opt for the same.

Title of Syllabi :

- i. Translation
- ii. Language and Literature

Thrust Area

Translation Technique and Comparative Study of Russian and Indian Languages

* M.A. (Russian) is available for private students only.

DEPARTMENT OF SANSKRIT**About the Department**

The Department was established in 1956. There are three courses in the department i.e. M.Phil, Post-graduate and Certificate 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 (Indain Philosophy, Classic Literature and Vedic Literature and Dharmashastras)

Faculty

Particulars	Name	Field of Research Specialization
Prof. Re-employed	Vikram Kumar	<i>Literature & Ved</i>
Professors	V.K.Alankar (<i>Chairperson</i>)	<i>Ved, Grammar, Darshan & Literature</i>
	Shankarji Jha	<i>Darshan & Literature</i>

Courses Offered :

COURSES	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A.	68	2 years	As prescribed in Section 7.1 of Rules for Admission Aptitude test
M.Phil.	20	1 year	See General Important Guidelines
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

Only Titles of Syllabi:

M.A.

SEMESTER-I	
i) वैदिक साहित्य	iii) व्याकरण तथा भाषा विज्ञान
ii) लौकिक संस्कृत साहित्य	iv) दर्शन
SEMESTER-II	
v) वैदिक साहित्य	vii) व्याकरण तथा भाषा विज्ञान
vi) काव्यशास्त्र	viii) दर्शन
SEMESTER-III	
ix) वैदिक साहित्य का इतिहास तथा अर्थशास्त्र	x) संस्कृत गद्य तथा निबन्ध
Option : I - वेद	
xi) वैदिक संहिता	xii) ब्राह्मण, श्रौत एवं गृह्यसूत्र
Option : II - साहित्य	
xi) काव्यशास्त्र	xii) गद्य और नाटक
Option : III - संस्कृत व्याकरण	
xi) व्याकरण प्रक्रिया	xii) संस्कृत व्याकरण दर्शन
Option : IV - भारतीयदर्शन	
xi) सांख्यदर्शन	xii) वेदान्त तथा मीमांसा
SEMESTER-IV	
xiii) लौकिक संस्कृत साहित्य का इतिहास तथा स्मृति	xiv) गद्य तथा अनुवाद
Option : I - वेद	
xv) वैदिक संहिता	xvi) वेदाङ्ग
Option : II - साहित्य	
xv) काव्यशास्त्र	xvi) संस्कृत काव्य
Option : III - संस्कृत व्याकरण	
xv) व्याकरण	xvi) वाक्यपदीय दर्शन
Option : IV - भारतीयदर्शन	
xv) योगदर्शन	xvi) न्यायवैशेषिक

Ph.D.

There are 22 students who have been enrolled/registered for Ph.D. in the Department.

Thrust Areas

Study of Sanskrit Literature, Philosophy, Grammar, Veda in the light of Advanced Modern Technology and its comparison.

DEPARTMENT OF URDU/PERSIAN

About the Department

The department is comprising with the subject of Urdu and Persian teaching and Ph.D. research work 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 subject of

teaching in the Oriental College of Lahore which was later on established in the name of Panjab University at Lahore. The study of said courses were resumed by this University after the partition of India and at the first stage, the University introduced the Certificate course in Urdu and Persian and later on the Diploma and Advanced 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. Now the same Post Graduate course in Urdu is run by the department under semester system, but in M.A. in the subject of Persian is remain under Annual system.

The Department has the Ph.D/Research work in both the subjects i.e. Persian and Urdu and has awarded about 28 Ph.D. Degrees till today in both subjects. The Department has two separate Academic, Literary and Cultural Society 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 and Urdu-Persian Lovers.

From the session 2010-2011, the Department has been introduced job oriented courses in the subject of Urdu and Persian i.e. Mass Media and Journalism in the electronics media like Television and Radio and also for Print Media for the newspaper & magazine etc. The said Job oriented courses of reading & syllabi was framed and introduced in the Department in the light of challenges before the Urdu and Persian studies in th globalized world and globalization of the studies accordingly.

The Department is using Modern teaching Methods through Audio-Visual Software like CDs and Video Cassettes. Computer typing and use of Internet especially in teaching Urdu and Presian Language and Literature. 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.

The Department organizes the Seminars, Conferences of National and International Level and also the Exhibition of Iranian Paintings, Persian Books and other Exhibitions related to the Indo-Persian social and cultural relations along with the cultural festivals based on Indo-Persian traditions with the Iranian students with the help of Iran Cultural House. The Department also invites eminent and distinguished literary personalities of urdu and Persian language and Literature, to deliver the lectures on the various topics related to the interests of Urdu/Persian lovers and for the benefit of the students of Ph.D's.

Faculty

Particulars	Name	Field of Research Specialization
Associate Professor	Madhukar Arya (Chairperson)	<i>Classical and Modern Literature and specialization in Sufism</i>
Assistant Professor	Zarreen Fatima	<i>Classical and Modern Urdu Literature with khakanigari and Marsiya & Qasida.</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A. (Urdu)	34	2 years	As prescribed in section 7.1 of Rules for Admissions.
Certificate Course (Urdu)	85	1 year	Hr. Sec. or Equivalent P.U./10+1.]
Diploma Course (Urdu)	29	1 year	P.U. Cert. Course in Urdu, Urdu in Matric or Adib Exam. from P.U./Equivalent Exam.
Adv. Diploma Course (Urdu)	17	1year	P.U. Dip. Course in Urdu, Intermediate or B.A. I with Urdu Elective/equivalent exam.
Cert. Course (Persian)	29	1 year	Hr. Sec./equivalent exam./pre-University.

Dip. Course (Persian)	17	1 year	Cert. Course in Persian from P.U., or Persian at Matric level/Equivalent exam.
Adv. Dip. Course (Persian)	11	1 year	P.U. Diploma Course in Persian/Intermediate/ B.A. I with Persian Elective/Additional Language from P.U./Equivalent exam.

Titles of Syllabi

M.A. (Urdu)

SEMESTER-I

P-I	:	History of Urdu Language and Literature.	P-III	:	Early Poetry (Nazm and Ghazal).
P-II	:	Elements of Urdu Structure.	P-IV	:	Early Prose (fiction, Novel, Afsana, and Drama).

SEMESTER-II

P-I	:	Modern Poetry.	P-III	:	Non-Fiction (Essay and Translate).
P-II	:	Modern Prose (Urdu Drama and Theatre).	P-IV	:	Print Media and Mass Media (Radio and T.V.).

SEMESTER-III

P-I	:	Classical Poetry (Qasida, Mersia, Masnavi).	P-III	:	Principles of Literary Criticism.
P-II	:	Prose.	P-IV (i)	:	Essay aur Lisaniyat.

SEMESTER-IV

P-I	:	Comparative Study of Urdu and Punjabi Literature.	P-III	:	Essay.
P-II	:	Lisaniyat.	P-IV	:	Print Media and Mass Media.

Certificate Course in Urdu

P-I	:	Prose & Poetry	P-II	:	Grammar & Composition
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Diploma Course in Urdu

P-I	:	Prose & Poetry	P-II	:	Urdu Adab & Sahafat
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Advanced Diploma Course in Urdu

P-I	:	Poetry	P-III	:	Basic knowledge of history of Urdu literature
P-II	:	Prose & Novel	P-IV	:	Composition & Journalism.

Certificate Course in Persian

P-I	:	Prose & Poetry	P-II	:	Grammar & Composition
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Diploma Course in Persian

P-I	:	Prose & Poetry	P-II	:	Translation & Literary History
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Advanced Diploma in Persian

P-I	:	Classical Modern Prose	P-III	:	Literary History of Persian
P-II	:	Classical Modern Poetry	P-IV	:	Political Economical & Social History of Iran.

Thrust Areas

The Department is engaged in Research Programme on almost all major disciplines of Persian language 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 and Social Sciences with comparative studies and Mysticism and Mystical Literature, written during the Ancient Period based on Classical Literature and also written during the so-called Modern Period in all the Modern Indian Languages. The students come from Iran and other Arab countries for Ph.D. in the Department. The thrust area of Ph.D. in the subject of Urdu is based on language and literature of Urdu with comparative study of Modern Indian Languages.

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 XLIX of has been printed & Volume XLX & XLXI of 2012 is under process. Besides the Institute has published about 52 Research books. Dictionary of Vedic Interpretation and critical Edition of the Commentary of Aitareya Brahmana are under process.

Faculty

Professor (Re-employed)	:	Krishan Murari Sharma			
Professors	:	Raghubir Singh Krishna Saini	Prem Lal Sharma (Chairperson)	Parbhat Singh	
Associate Professor	:	Narsingha Charan Panda			
Assistant Professors	:	Aditya Angiras	Ved Prakesh Dindoriya	Ritu Bala	S.K. Sarangi

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A. (Sanskrit)	40	2 years	B.A. with Sanskrit (45% marks) or Shastri of P.U. or any other equivalent examination.
Shastri (New Degree Course in Sanskrit)	40	3 years	Prak Shastri-II/+2 (with Sanskrit) or Visharad (with Matric) from P.U./equivalent examination.
Prak Shastri	40	2 years	Matric/Hr. Sec. I/or equivalent examination.
M.Phil.	20	1 year	See General Important Guidelines
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

Scholarships : The Institute offer stipends to the eligible students of Prak-Shastri, Shastri and Acharya @ Rs. 300/- Rs. 400/- & Rs. 500/-p.m. respectively for ten months. Five students each in M.A. Part I & II (Sanskrit) are awarded stipends on merit @ 300/-p.m. for twelve months.

Thrust Area

Development of Sanskrit and Indological Studies.

Vishveshvaranand Library

The Library possesses about **80509** books and journals and about **2200** ancient manuscripts. It received **70** journals and periodicals during the year and recognized by UNESCO.

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 Upendra Bakshi, Dr. L.M. Singhvi, Professor Mool Chand Sharma, Justice J.S. Verma, Mr. Soli J. Sorabjee, Prof. M.R. Madhava Menon 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).

Dress Code : Black pant and coat, white shirt along with tie/scarf (prescribed) on Mondays, Wednesdays and 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.

Placement Cell : 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.

Faculty :

Particulars	Name	Specialization
Professor Emeritus	Veer Singh V.K. Bansal	<i>Labour Laws, Jurisprudence Constitutional Laws</i>
Professor/Associate Professor Re-employed	Daya Nand Prem Nath	<i>Labour Law, Intellectual Property, Constitutional Laws Constitutional Law</i>
Professors	Nishtha Jaswal (Chairperson) Paramjit S. Jaswal (on Leave) Bhajan Kaur Ranbir Kaur	<i>Constitutional Law, Administrative Law, Service Law, Human Rights, Environmental Law Constitutional Law, Administrative Law, Service Law, Human Rights, Environmental Law Family Law Labour Laws</i>

	Vijay Nagpal	<i>Jurisprudence, Criminal Law, Law Related to Physically and Mentally Challenged Persons</i>
	Shalini Marwaha	<i>Jurisprudence, Constitutional Law, Human Rights & Law, Administrative Law, Environmental Law, Law related to Women & Children, Law and Social Transformation</i>
	Meenu Paul	<i>Labour Laws, Intellectual Property Law</i>
	Devinder Singh	<i>Human Rights, Constitutional Law, Administrative Law, Jurisprudence</i>
Associate Professors	Parmjit Kaur	<i>Laws of Evidence, Environmental Laws and Military Law</i>
	Anupama Goel (on Leave)	<i>Constitutional Law, Consumer Law, Law of Torts</i>
	Geeta Joshi	<i>Criminal Law</i>
Assistant Professors	Vanadana Arora	<i>Constitutional Law, Commercial Law</i>
	Babita Devi Pathania	<i>Human Rights, Protection of Women, Domestic Violence, Corporate Law, Administrative Law and Service law</i>
	Anil Kumar Thakur	<i>Constitutional Law, Human Rights, Environmental Laws, Jurisprudence</i>
	Jyoti Rattan	<i>Income Tax, International Law, Human Rights</i>
	Dinesh Kumar	<i>Human Rights, IPR and Property Law</i>
	Shipra Kaushal	<i>Constitutional & Commercial Laws</i>
	Rajinder Kaur	<i>Corporate Law & Property Law</i>
	Supinder Kaur	<i>Family Law</i>

Courses Offered :

COURSE	SEATS	DURATION
LL.B.	202 + 27 NRI (Morning), + 202 (Evening)	3 years (6- semesters)

ELIGIBILITY/ADMISSION/CRITERIA

A person who has passed one of the following examinations shall be eligible to join LL.B. course:

- a) Bachelor's Degree in any faculty of Panjab University with at least 45% marks in the aggregate; (40% for SC/ST/BC candidates).
- b) Degree in any Faculty of another University recognized by the Panjab University and the Bar Council of India securing at least 45% marks in the aggregate.

Provided that in case of a candidate having a Bachelor's degree of this University or any other University recognized by the Syndicate, 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.

OR

- a) A Master's Degree from the Panjab University.

b) A Master's Degree from any other University recognized by the Panjab University and the Bar Council of India as equivalent to the corresponding Post-graduate degree of the Panjab University.

Admission to LL.B. Course shall be on the basis of an Entrance Test. Total marks for determining merit would be 200.

- 1) 50% of 200 (100 marks for the entrance test)
- 2) 50% of 200 (100 marks for the qualifying exam)

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 1 : 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. No candidate will be admitted to the LL.B. course having any Degree in consistent with the University Grants Commission Regulations and also Bar Council of India, Rules of Legal Education 2008.

Note 2 : 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.

COURSE	SEATS	DURATION
LL.M.	42 + 4 NRI	1 year (2 Semester)*

A person who has passed one of the following examinations shall be eligible to join the first semester class of the LL.M. Course:-

- (a) LL.B./B.A.LL.B./B.Com.LL.B. Degree examination of this University; or
- (b) Any equivalent examination of another University recognized by the Syndicate for this purpose.

Admission to LL.M. Semester-I shall be on the basis of an Entrance Test. Total marks for determining merit would be 200 :-

- 1) 80% of 200 (100marks for the entrance test)
- 2) 20% of 200 (100 marks for the qualifying exam)

Provisions are there for Ph.D. & LL.D. in Law. Details in this regard are contained in the Panjab University Calendar Vol. II, 2007, pages 402-409.

Ph.D.

The Department has the facility for enrolling candidates for the Ph.D. Degree in the Faculty of Law. The University Grants Commission has laid down the new guidelines **vide letter No. 1-1/2002 (PS) Pt file-III, dated August 2009** which have come into force w.e.f. **11th July, 2009** and the same have been adopted by the Syndicate and are applicable to the Department of Laws as well. The enrollment of Ph.D. students shall be as per the new guidelines of UGC.

The enrolment form along with Booklet containing relevant rules and regulations on the subject may be obtained on payment from the Cash Counter, S.B.I. near Administrative Block, Panjab University, Chandigarh.

LL.D.

For eligibility and submission of thesis for the degree of LL.D., see Regulations on pages 408-409 P.U. Cal. Vol. II, 2007.

Titles of Syllabi :

LL.B.

SEMESTER-I

Paper - I : Jurisprudence-I	Paper-IV : Family Law I
Paper- II : Constitutional Law I	Paper V : Law of Torts including Motor Vehicle Accidents and Consumer Protection Laws
Paper-III : Law of Contract	

SEMESTER-II

Paper - I : Jurisprudence II	Paper - IV : Family Law II
Paper-II : Constitutional Law II	Paper - V : International Human Rights & Public International Law
Paper - III : Special Contracts	

SEMESTER-III

Paper - I : Law of Crimes-I	Option : Any two of the following
Paper - II : Property Law	Paper IV & V :
Paper - III : Labour Law	a) Information Technology Act & RTI Act
	b) Local Self Government including Panchayat Administration
	c) International Organization and Humanitarian Law
	d) Penology and Victimology

SEMESTER-IV

Paper - I : Law of Crimes-II	Option : Any one of the following
Paper- II : Company Law	Paper V (a) : Law of Taxation
Paper - III : Administrative Law	Paper V (b) : International Labour Organization and Labour Laws
Paper - IV : Alternate Dispute Resolution	

SEMESTER-V

Paper - I : Law of Evidence	Option Any one of the following:
Paper - II : Criminal Procedure Code	Paper V (a): Equity & Trust Law
Paper - III : Service Law	Paper V (b): Private International Law
Paper - IV : Drafting, Pleading & Conveyance	

SEMESTER-VI

Paper - I : Environmental & Wild Life Protection Laws	Paper - IV : Moot Court Exercise and Internship
Paper - II : Civil Procedure Code & Limitation Act	Option : Any one of the following:
Paper - III : Professional Ethics & Professional Accountability	Paper V (a): Interpretation of Statute and Principle of Legislation
	Paper V (b) : IPR Management

LL.M.

* LL.M. 1st Semester	pending
* LL.M. 2nd Semester	pending

Thrust Areas :

The department regularly organizes National/International/Seminars/Conferences/ Workshops and students related activities on current Socio-Legal issues. Recently the department organizes Youth Parliament and National Seminar on Emerging Issues of Human Rights.

The Department also undertakes social activities and every year organizes Blood Donation Camp where a large number of students, employees and faculty members donate blood.

*** Subject to the approval of Syndicate and Senate (waiting)**

UNIVERSITY INSTITUTE OF LEGAL STUDIES

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 within just ten years of its establishment. The Institute is committed to hone the DRAIN Skills- Drafting, Research, Advocacy, Interviewing, and Negotiation of students. It offers vibrant interdisciplinary academic programmes, with rich course content ranging from core law to social sciences, commerce and languages.

The endeavour of the Institute is to train students in the essence of substantive laws, techniques of procedural laws, methods of client counseling, skills in legal, commercial and social sciences research etc. To accomplish this, the Institute offers rigorous academic programmes. It organizes curricular/extracurricular activities, including Moot Court Competitions, Client Counseling Competitions, Seminars, Group Discussions, Extension Lectures etc. from time to time. The Institute also provides a platform for the clinical legal training through compulsory internships with judges, eminent lawyers, legal firms, commissions, NGO's etc.

The Institute is infrastructurally well equipped with its independent four storeyed state-of-art building that includes spacious classrooms, modern Moot Court Hall, Conference Hall, Legal Aid Clinic, Computer Lab with Wi-fi facility and a Language Lab. Its Library stocks over 13,000 text books and reference books by Indian and foreign authors.

Faculty

Particulars	Name	Field of Research Specialization
Professor	Sangita Bhalla (Director)	<i>Criminal Law, Human Rights, Labour & Gender Issues</i>
Associate Professors	Sarabjit Kaur Gulshan Kumar	<i>International Politics</i> <i>Industrial Economics</i>
Assistant Professors	Sasha Navneet Arora Chanchal Narang Pushpinder Kaur Shruti Bedi Meenu Saihjpal Jasmeet Gulati	<i>History of Medicine & Science</i> <i>Media Studies</i> <i>English Language Teaching</i> <i>Environmental La, International Law, Criminal Law</i> <i>Constitutional Law, Anti-terror Laws</i> <i>Micro-Economics, Industry</i> <i>Public International Law, Intellectual Property Laws</i>

Assistant Professors	Sabina Salim	<i>Environmental Laws</i>
	Amita Verma	<i>Cyber Crimes and analysis of International and National Control Regime</i>
	Jai Mala	<i>Family Law & Labour Law Role of H.P. State Women Commission for Women Empowerment with special reference to Shimla Town</i>
	Jasneet Kaur	<i>Expanding Horizons of Freedom of Speech and expression and Judicial Response</i>
	Karan Jawanda	<i>Hindu Law and Civil Procedure</i>
	Anju Berwal	<i>Assisted Human Reproduction, National & International Legal Perspective</i>
	Bharat	<i>Commercial Law</i>
	Ajay Ranga	<i>Criminal Law (Escalation of Crime and Slum Development with Special Reference to U.T. Chandigarh)</i>
	Anupam Bahri Deepti Laroia	<i>Gender Ageing English Literature</i>

Courses Offered :

COURSE	SEATS	DURATION
B.A. LL.B. (Hons.) 5 years Integrated Course	120+ 12 NRI	10 semesters
B.Com.LL.B. (Hons.) 5 years Integrated Course	120+ 12 NRI	10 semesters

COURSE

ELIGIBILITY

B.A. LL.B. (Hons.) 5 years
Integrated Course/

B.Com. LL.B. (Hons.) 5 years
Integrated Course

Candidate should have passed 10+2 examination with at least 50% marks (45% marks in case of SC/ST/BC) 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.

The candidate must not be above 20 years of age as on the last date fixed for submission of application form of Entrance Test of B.A. / B.Com. LL.B. (Hons.) 5 Years Integrated Course of the year in which admission is sought to the said course (22 years in case of SC/ST).

The admission to the said course/s shall be on the basis of merit of Entrance Test and 10 + 2 marks and other admissible weightage.

No candidate shall be eligible for admission to 1st semester of B.A. / B.Com.LL.B.(Hons.) unless s/he appears in and qualified the Entrance Test for the relevant year of admission.

A student who falls short of lectures in the Ist Semester of the said course/s in any previous academic session shall be eligible for admission on qualifying the Entrance Test again provided s/he fulfils all other eligibility conditions.

ADMISSION CRITERIA

For admission to 1st semester of B.A./B.Com.LL.B. (Hons.) 5 years Integrated Course, Panjab University conducts an entrance test. The merit list for admission shall be prepared as per the following details :

- | | |
|--|---|
| (i) B.A.LL.B. (Hons.) 5 years Integrated Course | Entrance Test: 50% +
Qualifying Examination (+2): 50% +
other admissible weightage |
| (ii) B.Com.LL.B. (Hons.) 5 years Integrated Course | Entrance Test: 50% +
Qualifying Examination (+2): 50%
With Weightage for commerce subjects*
and other admissible weightage |

*As per orders of Hon'ble Punjab and Haryana High Court in CWP No 15513 of 2014 weightage shall be given for the commerce subjects for admission to B.Com. LL.B.(Hons.) as per P.U. Calendar and other rules and regulations laid down by competent authorities/bodies of Panjab University from time to time.

LIST OF PAPERS

B.A.LL.B. (HONS.) 5 YEARS INTEGRATED COURSE, 2014-2015

Important Note :

- * Candidates can opt any one of the following Minor Groups and the group once selected will continue till 6th semester.
- * Similarly, candidates have to opt any one of the following as Major subject and the Major subject once selected will continue till 6th semester.
- * The subject which has been opted as a part of the Minor Group cannot be opted as Major subject.
- * The Minor Group and Major subject shall be offered as per merit as well as availability of the subjects/seats.

SEMESTER-I

Group-I (Minor)

Subject

Political Science-I (Minor)

Paper number

I (a)

OR

Group-II (Minor)

Subject

Economics-I (Minor)

Paper number

I (b)

Subjects (Major)

Political Science-I (Major)

History-I (Major)

Economics-I (Major)

Sociology-I (Major)

English-I (Major)

Paper number

II (a)

II (b)

II (c)

II (d)

II (e)

Compulsory Subjects	Paper number
English-I	III
Socio Legal Research in Era of Information Technology	IV
Law of Torts including Motor Vehicle Accident Act and Consumer Protection Laws	V
Law of Contract-I	VI

SEMESTER-II

Group-I (Minor)

Subject	Paper number
Political Science-II (Minor)	I (a)

OR

Group-II (Minor)

Subject	Paper number
Economics-II (Minor)	I (b)

Subjects (Major)

Subjects (Major)	Paper number
Political Science-II (Major)	II (a)
History-II (Major)	II (b)
Economics -II (Major)	II (c)
Sociology-II (Major)	II (d)
English-II (Major)	II (e)

Compulsory Subjects

Compulsory Subjects	Paper number
English-II	III
Banking & Insurance	IV
Jurisprudence	V
Special Contracts-II	VI

SEMESTER-III

Group-I

Subjects	Paper number
Political Science-III (minor)	I (a)
History-III (minor)	II (a)

OR

Group-II

Subjects	Paper number
Economics-III (minor)	I (b)
Sociology-III (minor)	II (b)

The following subjects shall be compulsory:

Subjects	Paper number
English-III	III
Public International Law	IV
Constitutional Law-I	V
Family Law-I	VI

SEMESTER-IV

MAJOR : As per BCI Rules of Legal Education, 2008, a student has to opt any one of the following 5 social sciences/English as a Major subject. S/he cannot opt for any social science subject as major which s/he has already opted for in the 1st semester as Minor subject, except English. Major once selected will continue to be the same till 8th semester.

Subjects (Optional)	Paper number
Political Science-I (Major)	I (a)
History-I (Major)	I (b)
Economics-I (Major)	I (c)
Sociology-I (Major)	I (d)
English-I (Major)	I (e)

Subjects (Optional)	Paper number
Political Science-II (Major)	II (a)
History-II (Major)	II (b)
Economics -II (Major)	II (c)
Sociology-II (Major)	II (d)
English-II (Major)	II (e)

Opt any one of the following Language papers. The Language paper once selected will continue to be the same till 6th semester.

Subjects (optional)	Paper number
Hindi-I	III(a)
Punjabi-I	III(b)
French-I	III(c)

The following subjects shall be compulsory:

Subjects	Paper number
Administrative Law	IV
Constitutional Law-II	V
Family Law-II	VI

SEMESTER-V

Subjects (Optional)	Paper number
Political Science-III (Major)	I (a)
History-III (Major)	I (b)
Economics-III (Major)	I (c)
Sociology-III (Major)	I (d)
English-III (Major)	I (e)

Subjects (optional)	Paper number
Hindi-II	II(a)
Punjabi-II	II(b)
French-II	II(c)

The following subjects shall be compulsory:

Indian Penal Code-I	III
Criminal Procedure-I	IV
Alternate Dispute Resolution	V
Opt any one of the following subjects	
Local Self Government	VI(a)
Interpretation of Statutes and Principles of Legislation	VI(b)
International Criminal Law and International Criminal Court	VI(c)

SEMESTER-VI

Subjects (Optional)	Paper number
Political Science-IV (Major)	I (a)
History-IV (Major)	I (b)
Economics-IV (Major)	I (c)
Sociology-IV (Major)	I (d)
English-IV (Major)	I (e)

Subjects (optional)	Paper number
Hindi-III	II(a)
Punjabi-III	II(b)
French-III	II(c)

The following subjects shall be compulsory:

Indian Penal Code-II	III
Criminal Procedure-II	IV
Professional Ethics and Professional Accounting System	V
Opt any one of the following subjects	
Law Relating to Agriculture (common with Law and Agriculture)	VI(a)
Private International Law	VI(b)
Land Laws and Rent Laws	VI(c)

SEMESTER-VII

Subjects (Optional)	Paper number
Political Science-V (Major)	I (a)
History-V (Major)	I (b)
Economics-V (Major)	I (c)
Sociology-V (Major)	I (d)
English-V (Major)	I (e)

The following subjects shall be compulsory

Law of Property	II
Law of Evidence	III
Civil Procedure-I	IV
Opt any one of the following subjects	
Gender Justice and Feminist Jurisprudence	V(a)
Right to Information and Media Law	V(b)
Business Laws	V(c)

SEMESTER-VIII

Subjects (Optional)	Paper number
Political Science-VI (Major)	I (a)
History-VI (Major)	I (b)
Economics-VI (Major)	I (c)
Sociology-VI (Major)	I (d)
English-VI (Major)	I (e)
The following subjects shall be compulsory	
Drafting, Pleading and Conveyance	II
Environmental Law	III
Civil Procedure including Limitation Law-II	IV
Opt any one of the following subjects	
International Trade Law	V(a)
Election Law	V(b)
Service Laws	V(c)

SEMESTER-IX

Subjects	Paper number
Labour and Industrial Laws	I
Moots and Practical Training	II
Forensic Science	III
International Human Rights	IV
Principles of Taxation Law	V

SEMESTER-X

Subjects	Paper number
Labour Laws and International Labour Organization	I
Information Technology Law	II
Company Law	III
Criminology, Penology and Victimology	IV
Intellectual Property Laws	V

LIST OF PAPERS

B.COM.LL.B (HONS.) 5 YEARS INTEGRATED COURSE, 2014-2015

SEMESTER-I

Subject (Minor)	Paper number
Business Economics-I (Minor)	I
Subject (Major)	
Principles of Financial Accounting (Major)	II

PAPERS COMMON WITH B.A.LL.B (HONS.)

English-I	III
Socio Legal Research in Era of Information Technology	IV
Law of Torts including Motor Vehicle Accident Act and Consumer Protection Laws	V
Law of Contract-I	VI

SEMESTER-II

Subject (Minor)	Paper number
Business Economics-II (Minor)	I

Subject (Major)	Paper number
Corporate Accounting (Major)	II

PAPERS COMMON WITH B.A.LL.B (HONS.)

English-II	III
Banking & Insurance	IV
Jurisprudence	V
Special Contracts-II	VI

SEMESTER-III

Subjects	Paper number
Economics-III (Minor)	I
Cost Accounting (Minor)	II

PAPERS COMMON WITH B.A.LL.B (HONS.)

English-III	III
Public International Law	IV
Constitutional Law-I	V
Family Law-I	VI

SEMESTER-IV

Subjects	Paper number
Management Concepts and Practices (Major)-I	I
Business Mathematics and Statistics (Major)-II	II

Opt any one of the following Language papers. The Language paper once selected will continue to be the same till 6th semester.

Subjects (optional)	Paper number
Hindi-I	III(a)
Punjabi-I	III(b)
French-I	III(c)

The following subjects shall be compulsory

PAPERS COMMON WITH B.A.LL.B (HONS.)

Administrative Law	IV
Constitutional Law-II	V
Family Law-II	VI

SEMESTER-V

Subjects (Optional)	Paper number
Financial Management (Major)	I

Subjects (optional)	Paper number
Hindi-II	II(a)
Punjabi-II	II(b)
French-II	II(c)

The following subjects shall be compulsory:

Indian Penal Code-I	III
Criminal Procedure-I	IV
Alternate Dispute Resolution	V

Opt any one of the following subjects

Local Self Government	VI(a)
Interpretation of Statutes and Principles of Legislation	VI(b)
International Criminal Law and International Criminal Court	VI(c)

SEMESTER-VI

Subjects (Optional)

Entrepreneurship and Small Scale Business (Major)	Paper number I
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Subjects (optional)

Hindi-III	Paper number II(a)
Punjabi-III	II(b)
French-III	II(c)

The following subjects shall be compulsory:

Indian Penal Code-II	III
Criminal Procedure-II	IV
Professional Ethics and Professional Accounting System	V

Opt any one of the following subjects

Law Relating to Agriculture (common with Law and Agriculture)	VI(a)
Private International Law	VI(b)
Land Laws and Rent Laws	VI(c)

SEMESTER-VII

Subjects (Optional)

Operations Research (Major)	Paper number I
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The following subjects shall be compulsory:

Law of Property	II
Law of Evidence	III
Civil Procedure-I	IV

Option (Choose any One subject)

Gender Justice and Feminist Jurisprudence	V(a)
Right to Information and Media Law	V(b)
Business Laws	V(c)

SEMESTER-VIII

Subjects (Optional)

Auditing and Indirect Tax (Major)	Paper number I
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The following subjects shall be compulsory:

Drafting, Pleading and Conveyance	II
Environmental Law	III
Civil Procedure including Limitation Law-II	IV

Option (Choose any One subject)

International Trade Law	V(a)
Election Law	V(b)
Service Laws	V(c)

SEMESTER-IX

Subjects	Paper number
Labour and Industrial Laws	I
Moots and Practical Training	II
Forensic Science	III
International Human Rights	IV
Principles of Taxation Law	V

SEMESTER-X

Subjects	Paper number
Labour Laws and International Labour Organization	I
Information Technology Law	II
Company Law	III
Criminology, Penology and Victimology	IV
Intellectual Property Laws	V

RULES REGULATING ADMISSION AND PROMOTION TO B.A./B.COM. LL.B (HONS.) 5 YEARS INTEGRATED COURSE (1-10 SEMESTERS)

1. B.A./B.Com. LL.B (Hons.) is a 5 year integrated course consisting of 10 semesters. Each academic year is divided into two semesters.
 - i) July to December
 - ii) January to May
2. A candidate admitted to any of the courses shall be eligible to appear in the semester examinations, if he has attended at least 75% of the lectures/special lectures/tutorials/moots/visits to court or other institutions etc. as may be delivered or arranged during the semester.

Provided that the deficiency in this attendance requirement may be condoned (as per Chapter-XV of Panjab University Calendar Volume-III at 263-264 and Syndicate/Senate decisions taken from time to time in this regard) and as per Rules provided hereunder:

- a) Upto 30 lectures in a paper(s) in total to the best advantage of the student and upto 10 lectures in special lectures/moots/visits to Courts or other institutions by the Academic Committee & Board of Control of UILS.
- b) In exceptional cases, the Vice-Chancellor, on the recommendation of the Academic Committee & Board of Control of UILS, may condone upto 10 lectures in a paper/(s) to the best advantage of the student beyond the condonation done by the Academic Committee and Board of Control of UILS.
- c) The Syndicate may, for reasons to be recorded, make further relaxation up to 10 lectures delivered in various paper(s) in cases of extreme hardship beyond the limits stipulated above [vide Para 33 (6) Syndicate meeting held on 29.11.2004].
- d) No condonation shall be allowed in case a candidate has attended less than 33% of lectures delivered for each paper/subject/moot/special lecture.

- e) For condonation of lectures on the ground of interim hardship cases including medical grounds, information to the effect along with supporting documents, if any should be submitted to the department within fifteen days after the hardship is over so that the medical and fitness certificates could be got countersigned by the Chief Medical Officer of Panjab University, before the condonation period.

Explanation: A student who falls short of lectures in the 1st Semester will seek admission again in the 1st semester through entrance test provided s/he fulfills all other eligibility conditions.

3. To be declared pass in a semester examination, a student, must have obtained at least 45% marks in each paper respectively.

Explanation: A student shall be considered as pass in a paper if s/he has secured 45% marks in internal assessment and theory paper jointly. However, the student has to submit the written Project Report/Moot Memorial/Term paper, as the case may be, personally by the date stipulated. Only then the student shall be allowed to make presentation or participate in Viva-Voce or Group Discussion, as the case may be.

4. Each paper of the 10 semesters is of 100 marks. Of this 80 marks shall be for theory paper and 20 marks shall be for internal assessment.

The split-up of 20 marks of Internal Assessment is as follows:

Project Report/Moot Memorial/Term Paper	8 marks
Presentation/Viva-Voce/Group Discussion	8 marks
Attendance/Punctuality and Conduct	4 marks
Total	20 marks

5. i) Subject to Rule 5 (ii), promotion of a student to the next semester from each of the respective semesters shall be allowed, if a student has fulfilled the attendance and other requirements, even though he has failed to appear in the examination for the respective semester, from which he is being promoted.
- ii) Promotion/admission of a student to the next year of the course shall be allowed if s/he has passed at least 50% of the papers of the previous semesters, as the case may be.
- iii) The reappear examination of both odd and even semesters shall be held with the regular examinations of each of the respective semesters.
- However, the reappear examination of 9th semester shall also be held immediately after the completion of 10th semester examinations on next 5 working days without any break.
- iv) All the papers of the 10 semesters must be passed by a student within 8 years from the year of admission to the 1st semester of the concerned course.
- (vi) The aggregate percentage of marks of all 10 semesters obtained shall be entered in the B.A./B.Com. LL.B (Hons.) 5 years Integrated Course degree to be awarded by the University.
- (vii) On passing, all the 10 semester examinations a candidate will be placed on the basis of aggregate marks of all 10 semesters as under :-
- 50% or above but below 60% marks-2nd Division
60% or above but below 75% marks-1st Division
75% or above marks-1st Division with Distinction

(Syndicate Para 39, dated 24.1.2004)

6. Every candidate shall pay such examination fee for each semester/re-appear examination as may be prescribed by the Syndicate from time to time. S/he must submit the examination form along with the prescribed fee for the semester/re-appear examination before the last date through the Director, UILS.
7. The medium of instructions and examination for B.A. LL.B (Hons.)/B.Com LL.B. (Hons.) 5 years Integrated Course shall be English.
8. **Five percent freeships are available for meritorious students belonging to economically weaker sections of the society in UILS. (vide Syndicate decision dated 28.2.2003).**
 For purpose of the above concession, the student must have passed 10+2 examination with minimum of 50% marks (proof to be added) and her/his total family income from all sources should not exceed Rs. One lac per year. For proof of family income from all sources, the student shall submit an income certificate issued by the Deputy Commissioner/Tehsildar/SDM of her/his area or the employer of the earning member of the family as the case may be. In addition to this, the student must submit an affidavit duly attested by 1st Class Judicial Magistrate, giving full details of total family income. Such a student shall be exempted from payment of tuition fee only. However, s/he shall be required to pay all other University/institutional funds being paid by other students. For award of freeship, in case of the students having the same merit position, the student holding yellow card/yellow ration card would be given preference over the other/(s).
9. Besides Rules/Regulations of Bar Council of India (as approved and adopted by the Panjab University from time to time) shall be applicable to the B.A./B.Com LL.B (Hons.) 5 years Integrated Course.
10. **RULES FOR MIGRATION TO B.A./B.COM.LL.B (HONS.) 5 YEARS INTEGRATED COURSE.**
 - a) Migration cannot be claimed as a matter of right.
 - b) No migration will be allowed in 1st, 2nd, 4th, 6th, 8th, 9th and 10th semesters.
 - c) Migration can be allowed only in 3rd, 5th, and 7th semester of B.A./B.Com. LL.B (Hons.) 5 years integrated course.
 - d) Migration can be allowed to a student studying in B.A./B.Com.LL.B (Hons.) 5 years Integrated Course of any other Institution which is recognized as equivalent to the B.A./B.Com. LL.B. (Hons.) 5 years Integrated Course of Panjab University.
 - e) A student migrating from another University/institute must have secured atleast 45% marks in the aggregate in the preceding year/(s).
 - f) Only those students may be considered eligible to seek migration, who have cleared all the papers of the examinations in which they had appeared from the Institution from which migration is to be sought.
 - g)
 - i) Migration will be done according to inter se merit.
 - ii) For students of any other University seeking migration to UILS, the maximum marks obtained by the top student of that University will be normalized against the maximum marks obtained by the top student of Panjab University in order to prepare the merit list.

- h) No migration shall be allowed if there is difference of more than 2 papers (not subjects) of the course content taught in the Panjab University and in the Institution from which the student is seeking migration, in the examinations of the semesters passed by the students. The deficient papers have to be cleared within 2 consecutive attempts, failing which the student will not be promoted to the next semester.
- i) Migrated student shall pay the amount of fee which s/he was required to pay in the University/College/Centre from which s/he is migrating i.e. the sum of rupees equivalent to the annual dues, tuition fee, admission fee, NRI fee etc. Or the fee applicable at the University Institute of Legal Studies, whichever is higher, for the remaining period of the study at the University Institute of Legal Studies, Panjab University, Chandigarh.
- j) A student seeking migration shall have to apply on the prescribed proforma by 31st July to the Director, ULS. Migration will be allowed only on the basis of merit as defined in Clause (g) above.
- k) Migration shall not be allowed unless a student produces the following documents/certificates issued by the University/College/Centre from which s/he intends to migrate:
 - a) 'No Dues Certificate' along with the amount of fee being paid by her/him to the said University/College/Centre;
 - b) The lower examinations pass certificates;
 - c) The 'Lecture Statement' and 'Character Certificate' from the University/College/Centre from where s/he intends to migrate;

DRESS CODE

On every Wednesday, at the time of Project presentation and during all the academic functions of the Institute, the students are required to follow the below mentioned dress code:

White/black trouser, full sleeves white shirt (to be tucked in), black coat, Institute's tie/cravat, black shoes and socks.

The girls could also wear white suit with white dupatta/lawyer's suit with black covered shoes.

(Subject to the approval of the competent authority)

VIII. FACULTY OF MEDICAL SCIENCE

DR. HARVANSH SINGH JUDGE INSTITUTE OF DENTAL SCIENCES AND HOSPITAL

About the Institute

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 was established Dr. Harvansh Singh Judge Institute of Dental Sciences & Hospital in April, 2006 and 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 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 programs 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 para-clinical laboratories. Within a short span the Institute has been attending to 250-300 patients everyday in the various specialty clinics. A fully equipped diagnostic lab is functional at the Institute which is carrying out innumerable bio-chemical, histo-pathological and micro-biological tests at the Institute itself. The academic course being offered in this Institute is Bachelor of Dental Surgery which is a four year course followed by one year of compulsory rotatory internship with 100 students being admitted each year. 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

Principal-cum-Professor : **Ashish Jain**

Professors	Jagat Bhushan Deepak Gupta	Hemant Batra	Shefali Singla	Shally Gupta
Associate Professors	Savita Prashar Manjula Mehta M.K. Chhabra Rashi Chaturvedi Maninder Pal Singh Neeraj Sharma	Komal Sehgal Abha Sheth Komal Marwaha Shipra Gupta Rajesh Joshi Ikreet Singh Bal	Kitty Sidhu Divya Mahajan Vinay Kapoor Rahul Sharma Urvashi Sharma	Anubha Gulati Arun K. Garg Sukant Garg Satya Narain Puneet Kapoor

Assistant Professors	Mili Gupta Archana Agnihotri Ruchika Shaveta Sood A.P.S. Sandhu Namrata C. Gill Vivek Kapoor Prabhjot Cheema Simranjit Singh	Tulika Gupta (on leave) Swaty Jhamb Rakhi Aulakh Lalit Kumar Jyoti Gupta Leena Verma Prabhleen Brar Sumati Bhalla	Suruchi Aditya Jyoti Sharma Devinder Preet Singh Nandini Bhaskar Sujata Upadhyaya Ruchi Singla Tarun Das	Sidhi Passi Kavita Sekhri Sonia Bhardwaj Sharique Rehan Amandeep S. Uppal Sukhwinder Singh Litesh Singla Rajdeep Brar
Lecturers	Pradip Singh Rajni Jain Amrita Rawla	Harveen Kaur Rajeev Rattan Monika Nagpal	Virender Kumar Prabhjot Kaur Navjot Kaur	Manjot Kaur Amandeep Kaur Vandana Gupta
Dental Surgeon	Preeti Kang			
Demonstrators	Anupama Vijayvergia Ravi Kant	Harkirat Sethi	Kalyani V. Deshpande	

Course Offered :

COURSE	SEATS	DURATION	ELIGIBILITY CRITERIA	FEES
B.D.S.	85+15 NRI*	5 years	Based on AIPMT	As per University rules
	* NRI - no entrance test required for admission in NRI category Eligibility as per merit list prepared based on equivalency certificate issued by Panjab University Chandigarh			

Titles of Syllabi :

BDS 1ST Year	:	General Human Anatomy, Human Physiology, Biochemistry, Dental Anatomy and Oral Histology
BDS 2nd Year	:	General Pharmacology, General Pathology, General Microbiology, Pre-Clinical Prosthodontics, Pre-Clinical Conservative Dentistry
BDS 3rd Year	:	General Medicine, General Surgery, Oral Pathology
BDS 4th Year	:	Oral Medicine and Radiology, Oral Surgery, Prosthodontics, Periodontics, Conservative Dentistry, Pedodontics, Orthodontics, Public Health Dentistry

IX. FACULTY OF PHARMACEUTICAL SCIENCES

UNIVERSITY INSTITUTE OF PHARMACEUTICAL SCIENCES

About the Institute

The University Institute of Pharmaceutical Sciences 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 prestigious academic organizations committed to excellence in all the domains of pharmaceutical sciences. More than 1900 research papers, 161 Ph.Ds, 30 books, 36 patents, numerous national and international awards and meritorious recognitions to the faculty by professional bodies are some of the notable accomplishments of the Institute. Three of the faculty members have been elected as National Presidents of the prestigious Indian Pharmaceutical Congress. Also, some of the remarkable discoveries of new medicines have seen the reality of industrial commercialization after their successful technology transfers. The alumni occupy highest positions 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). The University Institute of Pharmaceutical Sciences was the first University Institution in the country to be granted with CAS Status in Pharmaceutical Sciences. In 2009 the Institute became the institutes of the country to serve UGC Networking Resource Centre to impart training to pharmacy professionals in frontier and thrust areas of pharmaceutical education and research for five years. The Institute has also received FIST grant from DST in 2012. Recently the UGC has also extended further one year extension to UGC Networking Resource Centre.

Faculty

Particulars	Name	Field of Research Specialization
Professors Emeritus	Harkishan Singh	<i>Pharmaceutical Chemistry</i>
	S.K.Kulkarni	<i>Pharmacology</i>
Professors	V.R. Sinha (Chairperson)	<i>Pharmaceutics</i>
	Karan Vasisht	<i>Pharmacognosy</i>
	O.P. Katare	<i>Pharmaceutics</i>
	Bhupinder Singh Bhoop	<i>Pharmaceutics</i>
	Renu Chadha	<i>Pharmaceutical Chemistry</i>
	Kanwaljit Chopra	<i>Pharmacology</i>
	Anupam Sharma	<i>Pharmacognosy</i>
	Indu Pal Kaur	<i>Pharmaceutics</i>
	Manoj Kumar	<i>Pharmaceutical Chemistry</i>
	Shishu	<i>Pharmaceutics</i>
	Anil Kumar	<i>Pharmacology</i>
	Ranju Bansal	<i>Pharmaceutical Chemistry</i>
	Poonam Piplani	<i>Pharmaceutical Chemistry</i>
Maninder Karan	<i>Pharmacognosy</i>	
Associate Professor	Alka Bali	<i>Pharmaceutical Chemistry</i>
Assistant Professors	Anurag	<i>Pharmacology</i>
	Neelima Dhingra	<i>Pharmaceutical Chemistry</i>
	Vandita Kakkar	<i>Pharmaceutics</i>
	Jai Malik	<i>Pharmacognosy</i>
	Ashwani Kumar	<i>Pharmacognosy</i>
	Amita Sarwal	<i>Pharmaceutics</i>
	Sangeeta Pilkhwah Sah	<i>Pharmacology</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
Bachelor of Pharmacy (B.Pharm.)	46+6NRI	4 years	50% Marks in 10+2 with English, Physics, Chemistry and one of the following subjects:- Biology / Biotechnology / Mathematics The admission to B.Pharm. 1st semester is made on the basis of combined merit calculated from marks obtained in the 12th class (25% weightage) and Common Entrance Test P.U. CET-2013 (U.G.) (75% weightage conducted by the Panjab University

Master of Pharmacy (M.Pharm.)

(Regular Courses) :

M.Pharm. in Pharmaceutical Chemistry	Category A : 06 Category B : 01
M.Pharm. in Pharmaceutics	Category A : 06 Category B : 01
M.Pharm. in Pharmacognosy	Category A : 02 Category B : 01
M.Pharm. in Pharmacology	Category A : 02 Category B : 01

2 years

B.Pharm. from AICTE / PCI approved Institutions/ Universities with valid GPAT score and for NRI Category B.Pharm. with valid GATE / 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).

(Self Finance Courses):

M.Pharm. in Pharmaceutical Analsis and Quality Assurance	10
M.Pharm. in Drug Discovery and Drug Development	10

Under Category A any seat (s) remaining unfilled will be transferred to Category B and Vice-versa

The candidates who have graduated from the Panjab University will be awarded 10% weightage on B.Pharm. marks

Category A : Panjab University candidates

Category B : Candidates from institutes other than Panjab University

- Notes :**
1. Additional 15% seats only for NRI candidates are available in Courses 1 to 4.
 2. The reservation for the other categories (SC, ST, etc) in the mentioned number of seats will be as per the general guidelines of the University.
 3. Admission Schedule: The Counselling for admission will be held in the month of July. No separate interview letter will be issued for the same. Date of Counselling will be notified on the P.U. Website.
 4. There is a provision of grant of scholarship to eligible candidaes under Direct Benefit Transfer (DBT) scheme of AICTE as per their guidelines and no provision of any scholarship from the Panjab University.

Doctor of Philosophy : GPAT qualified Students are registered from time to time depending upon the availability (**Ph.D.**) of seats under different projects/schemes/fellowships sponsored by different agencies including industry. For more information refer to Rules Regulations governing Ph.D. degree in Faculty of Pharmaceutical Sciences at page 319 of P.U. Calendar Vol. III of 2005 & at page 558 of P.U. Calendar Vol. II of 2007 respectively.

Titles of Syllabi (Theory & Practical)

Bachelor of Pharmacy

SEMESTER-I

PHARM-1011	Organic Chemistry-I	PHARM-1111	Organic Chemistry
PHARM-1021	Pharmaceutical Technology-I (General and Dispensing Pharmacy)	PHARM-1121	Practical -I Pharmaceutical Technology Practical -I (General and Dispensing Pharmacy)
PHARM-1031	Pharmacognosy-I	PHARM-1131	Pharmacognosy Practical -I
PHARM-1051(M&B)	Remedial Mathematics or Remedial Biology	PHARM-1151(B)	Remedial Biology Practical
PHARM-1061	Computer Science and applications	PHARM-1161	Computer Science Practical

SEMESTER-II

PHARM-2011	Organic Chemistry-II	PHARM-2111	Organic Chemistry Practical-II
PHARM-2012	Pharmaceutical Analysis-I	PHARM-2112	Pharmaceutical Analysis Practical -I
PHARM-2021	Physical Pharmaceutics-I	PHARM-2121	Physical Pharmaceutics Practical -I
PHARM-2041	Anatomy, Physiology and Health Education-I (APHE-I, Cell Biology)	PHARM-2141	Anatomy, Physiology and Health Education Practical-I (APHE-I)
PHARM-2071	Pharmaceutical Statistics		

SEMESTER-III

PHARM-3011	Chemistry of Natural Products and including Heterocyclic compounds	PHARM-3112	Medicinal Chemistry Practical-I
PHARM-3012	Medicinal Chemistry-I	PHARM-3121	Physical Pharmaceutics Practical-II
PHARM-3021	Physical Pharmaceutics-II	PHARM-3122	Pharmaceutical Microbiology Practical
PHARM-3022	Pharmaceutical Microbiology	PHARM-3131	Pharmacognosy Practical-II
PHARM-3031	Pharmacognosy-II	PHARM-3141	Anatomy, Physiology and Health Education
PHARM-3041	Anatomy, Physiology and Health Education-II (APHE-II)		Practical-II (APHE-II)
PHARM-3111	Chemistry of Natural Products and Heterocycles Practical		

SEMESTER-IV

PHARM-4011	Physical Chemistry	PHARM-4111	Physical Chemistry Practical
PHARM-4021	Pharmaceutical Technology-II	PHARM-4121	Pharmaceutical Technology Practical-II
PHARM-4022	Principles of Pharmaceutical Operations	PHARM-4122	Pharmaceutical Operations Practical
PHARM-4031	Pharmacognosy-III	PHARM-4131	Pharmacognosy Practical-III
PHARM-4041	Pharmacology-I	PHARM-4141	Pharmacology Practical-I
PHARM-4081	Environmental Studies		

SEMESTER-V

PHARM-5011	Medicinal Chemistry-II	PHARM-5112	Biochemistry Practical
PHARM-5012	Biochemistry	PHARM-5121	Pharmaceutical Technology Practical-III
PHARM-5021	Pharmaceutical Technology-III	PHARM-5122	Biological Pharmacy and Biotechnology Practical
PHARM-5022	Biological Pharmacy and Biotechnology	PHARM-5141	Pharmacology Practical-II
PHARM-5041	Pharmacology-II		

SEMESTER-VI

PHARM-6011	Pharmaceutical Analysis-II	PHARM-6111	Pharmaceutical Analysis Practical-II
PHARM-6012	Medicinal Chemistry-III	PHARM-6112	Medicinal Chemistry Practical-III
PHARM-6021	Cosmetology	PHARM-6121	Cosmetology Practical
PHARM-6022	Pharmaceutical Jurisprudence	PHARM-6131	Pharmacognosy Practical-IV
PHARM-6031	Pharmacognosy-IV	PHARM-6141	Pharmacology Practical-III
PHARM-6041	Pharmacology-III		

SEMESTER-VII

PHARM-7011	Pharmaceutical Analysis-III	PHARM-7111	Pharmaceutical Analysis Practical-III
PHARM-7021	Pharmaceutical Technology-IV	PHARM-7121	Pharmaceutical Technology Practical-IV
PHARM-7022	Pharmacokinetics and Biopharmaceutics-I	PHARM-7131	Pharmacognosy Practical-V
PHARM-7031	Pharmacognosy-V	PHARM-7141	Pharmacology Practical-IV
PHARM-7041	Pharmacology-IV		

SEMESTER-VIII

PHARM-8011	Medicinal Chemistry-IV	PHARM-8111	Medicinal Chemistry Practical-IV
PHARM-8021	Pharmaceutical Technology-V	PHARM-8121	Pharmacokinetics, Biopharmaceutics and Clinical Pharmacy Practical
PHARM-8022	Pharmacokinetics and Biopharmaceutics-II	PHARM-8131	Pharmacognosy Practical-VI
PHARM-8023	Clinical Pharmacy		
PHARM-8031	Pharmacognosy-VI		

Master of Pharmacy**Pharmaceutical Chemistry****SEMESTER-I**

MPCHM-1011	Advanced Organic Chemistry-I	MPCOM-1071	Modern Analytical Pharmaceutical Techniques
MPCHM-1012	Advances in Chemistry of Natural Products	MPCHM-1111	Pharmaceutical Chemistry Practical-I
MPCHM-1013	Advances in Medicinal Chemistry-I	MPCOM-1171	Modern Analytical and Pharmaceutical Techniques Practical

SEMESTER-II

MPCHM-2011	Advanced Chemistry-II	Organic	MPCOM-2084	Intellectual Property Rights and Drug Regulatory
MPCHM-2012	Advanced Techniques	Analytical	MPCHM-2111	Affair
MPCHM-2013	Advances in Chemistry-II	Medicinal		Pharmaceutical Chemistry Practical-II

Pharmaceutics**SEMESTER-I**

MPCEU 1021	Dosage Forms Design and Development		MPCOM 1071	Modern Analytical and Pharmaceutical Techniques
MPCEU 1022	Advances in Drug Delivery-I		MPCEU-1121	Pharmaceutics Practical-I
MPCEU 1023	Advanced Pharmacokinetics and Biopharmaceutics-I		MPCOM 1171	Pharmaceutics Practical-I Modern Analytical and Pharmaceutical Techniques Practical

SEMESTER-II

MPCEU 2021	Advances in Drug Delivery-II		MPCOM 2084	Intellectual Property Rights and Drug Regulatory
MPCEU 2022	Advanced Pharmacokinetics and Biopharmaceutics-II		MPCEU 2121	Affairs
MPCEU 2023	Pharmaceutical Technology and Biotechnology			Pharmaceutics Practical-II

Pharmacognosy**SEMESTER-I**

MPCOG-1031	Drug Discovery from Natural Sources		MPCOG-1131 MPCOM-1171	Pharmacognosy Practical-I Modern Analytical and Pharmaceutical Techniques Practical
MPCOG-1032	Phytochemical Techniques			
MPCOG-1033	Plant Drug Standardization			
MPCOM-1071	Modern Analytical and Pharmaceutical Techniques			

SEMESTER-II

MPCOG-2031	Advances in Pharmacognosy-I		MPCOM-2084	Intellectual Property Rights and Drug Regulatory
MPCOG-2032	Advances in Pharmacognosy-II		MPCOG-2131	Affairs
MPCOG-2033	Plant Drug Cultivation			Pharmacognosy Practical-II

Pharmacology**SEMESTER-I**

MPCOL-1041	General Pharmacology, Pathobiology and Therapeutics		MPCOM-1071	Modern Analytical and Pharmaceutical Techniques
MPCOL-1042	Experimental Pharmacological Techniques		MPCOL-1141 MPCOM-1171	Pharmacology Practical-I Modern Analytical and Pharmaceutical Techniques Practical
MPCOL-1043	Drug Discovery and Toxicology			

SEMESTER-II

MPCOL-2041	Clinical Pharmacology	MPCOM-2084	Intellectual Property Rights and Drug Regulatory Affairs
MPCOL-2042	Molecular Pharmacology		
MPCOL-2043	Recent Advances in Pharmacology	MPCOL-2141	Pharmacology Practical -II

Pharmaceutical Analysis and Quality Assurance

SEMESTER-I

MPQUA-1051	Applied Pharmaceutical Analysis-I	MPCOM-1071	Modern Analytical and Pharmaceutical Techniques
MPQUA-1052	Good Manufacturing Practices (GMPs)	MPQUA-1151	Pharmaceutical Analysis Practical-I
MPQUA-1053	Plant Drug Standardization	MPCOM-1171	Modern Analytical and Pharmaceutical Techniques Practical

SEMESTER-II

MPQUA-2051	Applied Pharmaceutical Analysis-II	MPCOM-2084	Intellectual Property Rights and Drug Regulatory Affairs
MPQUA-2052	Advanced Analytical Techniques	MPQUA-2151	Pharmaceutical Analysis Practical-II
MPQUA-2053	Quality Management and Validation		

Drug Discovery and Drug Development

SEMESTER-I

MPDRD-1061	Drug Discovery Process	MPCOM-1071	Modern Analytical and Pharmaceutical Techniques
MPDRD-1062	Preclinical Drug Discovery and Drug Development	MPDRD-1161	Drug Discovery Practical-I
MPDRD-1063	Pharmacokinetics and Pharmacodynamics in New Drug Development	MPCOM-1171	Modern Analytical and Pharmaceutical Techniques Practical

SEMESTER-II

MPDRD-2061	Drug Design and Development	MPCOM-2084	Intellectual Property Rights and Drug Regulatory Affairs
MPDRD-2062	Clinical Drug Development		
MPDRD-2063	Drug Delivery Issues in New Drug Development	MPDRD-2161	Drug Discovery Practical-II

Third and fourth semester shall comprise of research work only.

Thrust Areas

Facilities are available for advanced research in Pharmaceutical Chemistry, Pharmaceutics, Pharmacognosy and Pharmacology, Pharmaceutical Analysis and Quality Assurance & Drug Discovery and Drug Development. Some of the thrust areas are search for new chemical entities (synthetic/semi-synthetic/natural), development and optimization of novel formulations and drug delivery systems, advanced pharmacological studies related to drug discovery and development, herbal drug standardization and development of novel herbal formulations.

X. FACULTY OF SCIENCE

DEPARTMENT OF ANTHROPOLOGY

About the Department

The Department was established in 1960. During the last five decades, the department has not only grown in terms of personnel, equipment, laboratories and library, it has contributed significantly to the furtherance of anthropological teaching and research in the country.

Infrastructure and laboratories 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, Radiology, Photographic and Sound Recording and Computer. The unique 'Museum of Man' in the Department has a Gallery of Fossils Apes, Primates and Man which includes life size models, and an Ethnographic Gallery which includes items of material culture. The Dewan Bahadur Wali Ram Tajena Gold Medal is awarded annually to the student who stands first with a first division in M.Sc. (H.S.) from the year 2006, Prof. (Dr.) S.R.K. Chopra Memorial Scholarship has been instituted and is awarded to the students who tops B.Sc. (H.S.). Fieldwork is organized by the Department where students are given instructions in the field research methods and based on empirical work they write dissertations. The department was recognized as one of the centre under U.G.C. Programme of Special Assistance and Departmental Research Support in 1988, this programme is extended up to 2009. The department has also been selected for support under U.G.C. 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 to 31-03-2010. From 2010-11, the department has been granted FIST-DST and is also a U.G.C. Centre for Advanced Studies (CAS) in anthropology. "An oration of award in the name of Prof. S.R.K. Chopra has been instituted."

Faculty

Particulars	Name	Field of Research Specialization
Professors (Re-employed)	R.K. Pathak	<i>Physical Anthropology</i>
	Shalina Mehta	<i>Social Anthropology</i>
	Indu Talwar	<i>Physical Anthropology</i>
	Krishan Sharma	<i>Physical Anthropology</i>
	Rajan Gaur	<i>Physical Anthropology</i>
Professor	A.K. Sinha	<i>Social Anthropology</i>
Associate Professor (Re-employed)	C.J. Edwin	<i>Physical Anthropology</i>
Associate Professor	Abhik Ghosh (Chairperson)	<i>Social Anthropology</i>
Assistant Professors	Kewal Krishan	<i>Physical Anthropology</i>
	Maninder Kaur	<i>Physical Anthropology</i>
	Ramesh Sahani	<i>Physical Anthropology</i>
	Jasmahender Singh	<i>Physical Anthropology</i>
Assistant Professor-cum-Curator	Gayathiri Pathmanathan	<i>Physical Anthropology</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc. (H.S.)	30+4 (NRI)	3 years	Through P.U.-CET-2014 (U.G)
M.Sc. (H.S.)	23+3 (NRI)	2 years	(i) B.Sc. (Hons. School) Anthropology of Equivalent Examination. (ii) B.A./B.Sc. Examination of P.U. or any other Examination recognized by P.U., as equivalent thereto.
Diploma in Forensic Science & Criminology	20+2* *For inservice Govt. Sponsored Police Personal	1 year	(i) Bachelor's Degree of P.U. subject to having +2 with Science or any equivalent examination. or (ii) An examination of any other university recognized by Syndicate as equivalent to (a) above.
Ph.D.	Subject to availability	3-5 years	UGC, ICMER, JRF-NET qualified, and through P.U., Entrance Test (See General Important Notes).

Title of Syllabi :**B.Sc. (H.S.)****SEMESTER-I**

AHS-111	Introduction to Physical Anthropology	AHS-113	Practical in Human Osteology
AHS-112	Introduction to Social-Cultural Anthropology	AHS-114	Practical in Human Somatoscopy & Applications

SEMESTER-II

AHS-121	Evolutionary Theory & Primatology	AHS-123	Practical in Comparative Primatology
AHS-122	Theories in Social-Cultural Anthropology	AHS-124	Practical in Anthropology

SEMESTER-III

AHS- 231	Palaeoanthropology	AHS- 234	Practical Palaeoanthropology
AHS- 232	Kinship, Family & Marriage	AHS- 235	Practical Demography
AHS- 233	Fundamentals of Demography		

SEMESTER-IV

AHS- 241	Prehistoric Archaeology	AHS- 244	Practical Prehistoric Archaeology
AHS- 242	Social Anthropology	AHS- 245	Practical Bio-social Anthropology
AHS- 243	Anthropological Demography		

SEMESTER-V

AHS-351	Human Auxology Theory Practical	AHS-353	Anthropology of Tribe (theory)
		AHS-354	Fundamentals of Human Ecology (theory)
AHS-352	Fundamentals of Human Genetics Theory Practical	AHS-355	Fundamental of Anatomy (theory)

SEMESTER-VI

AHS-361	Human Body Composition and Physique Theory Practical	AHS-363	Caste and Class in India (Theory)
		AHS-364	Human Adaptability (Theory)
		AHS-365	Fundamentals of Human Physiology (theory)
AHS-362	Human Genetics Variations Theory Practical		

B.Sc. (Hons. Sch.) 1st year Subsidiary in Anthropology

SEMESTER-I

AHS- 101S	Introduction to Physical Anthropology	AHS- 102S	Practical in Physical Anthropology
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SEMESTER-II

AHS- 103S	Fundamentals of Human Genetics	AHS- 104S	Practical in Morphological & Genetic Variation
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B.Sc. (Hons. Sch.) 2nd year Subsidiary in Anthropology

SEMESTER-III

AHS- 201S	Fundamental Palaeoanthropology	AHS- 202S	Practical in Palaeoanthropology
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SEMESTER-IV

AHS- 203S	Introducation to Prehistoric Archaeology	AHS- 204S	Practical in Prehistoric Archaeology
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M.Sc. (H.S.)

SEMESTER-I

AHS- 411	Physical Anthropology and Race Biology	AHS- 415	Practical Studies in Human Evolution-I
AHS- 412	Prehistoric Archaeology	AHS- 416	Palaeoanthropology
AHS- 413	Social Anthroppoogy	AHS- 417	Transmission & Molecular Genetics
AHS- 414	Practical in Physical Anthropology-I	AHS- 418	Research Methods and Descriptive Statistics

SEMESTER-II

AHS- 421	Primateology	AHS- 425	Practical work in Human Evolution II
AHS- 422	Paleolithic Cultures	AHS- 426	Palaeoprimateology
AHS- 423	Social Structure and Culture Change	AHS- 427	Cytogenetics and Classical Genetic Methods
AHS- 424	Practical in Physical Anthropology II	AHS- 428	Inferential Statistical Methods

SEMESTER-III

Compulsory Papers

AHS- 531	Human Growth & Somatotyping	AHS- 534	Anthropological Theories
AHS- 532	Human Ecology	AHS- 535	Project Report 1: Project Formulation & Data Collection
AHS- 533	Human Demography		

PROGRAMME OPTIONS (Students may choose any of the options A or B)

OPTION-A : Biological Anthropology Students may choose any three of the following papers)

AHS- 536A	Early Human Evolution (Theory & Practical)	AHS- 538A	Human Red Cell Polymorphism (Theory & Practical)
AHS- 537A	Forensic Anthropology (Theory & Practical)	AHS-539A	Population genetics and Speciation (Theory & Practical)

OPTION-B : Socio-Cultural Anthropology (Students may choose any three of the following papers)

AHS-536B	Tribal and Rural Anthropology (Theory & Practical)	AHS-538B	Practice in Anthropology (Theory & Practical)
AHS-537B	Medical Anthropology (Theory & Practical)	AHS-539B	Reading in Contemporary Anthropology (Theory & Practical)

SEMESTER-IV

Compulsory Papers

AHS-541	Human Body Composition and Kinanthropology	AHS-544	Contemporary and Indian Anthropology
AHS-542	Energy Flow and Human Ecological Responsiveness	AHS-545	Project Report 2: Data Analysis and Report Writing
AHS-543	Human Epidemiology and Public Health		

PROGRAMME OPTIONS (Students may choose any of the options A or B)

OPTION-A : Biological Anthropology (Students may choose any three of the followings papers)

AHS-546A	Dimensions and Implications of Human Evolution (Theory & Practical)	AHS-548A	Enzyme, Serum proteins & other Genetic Variation (Theory & Practical)
AHS-547A	Forensic Biology (Theory & Practical)	AHS-549A	Gene flow and Quantitative genetics (Theory & Practical)

OPTION-B : Socio-cultural Anthropology (Students may choose any three of the followings papers)

AHS-546B	Tribal Anthropology and Peasant Movements (Theory & Practical)	AHS-548B	Anthropology in Action (Theory & Practical)
AHS-547B	Cultural Disease and Illness (Theory & Practical)	AHS-549B	Current Anthropology and Policy (Theory & Practical)

Outlines of test, syllabi and courses of readings in the subject of Diploma in Forensic Science and Criminology Course for the examination of 2014-2016.

SEMESTER-I

Paper No.	Title	Paper No.	Title
DFSc 1.1	Fundamentals of Forensic Science-I	DFSc 1.4	Criminology and Criminal Law-I
DFSc 1.2	Forensic Anthropology-I	DFSc 1.5	Practical in Forensic Science-I
DFSc 1.3	Forensic Physical Sciences-I		

SEMESTER-II

DFSc 2.1	Fundamentals of Forensic Science-II	DFSc 2.4	Criminology and Criminal Law-II
DFSc 2.2	Forensic Anthropology-II	DFSc 2.5	Practical in Forensic Science-II
DFSc 2.3	Forensic Physical Science-II		

Thrust Areas

Thrust areas of research include :

- I. Biosocial aspect of Health, Human Growth and Development.
- II. Palaeoanthropological investigations in the Sivaliks.

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 diverse programmes such as B.Sc. (Hons. School), M.Sc. (Hons. School) and Ph.D. Our Department attracts the best students and provides an excellent foundation for future professional and research career.

The department's research focus is primarily on areas such as Molecular basis of disease, Immune disorders, Neurochemistry, Cancer biology, Microbial Biochemistry, Analytical Biochemistry and Environmental Toxicology. The Department is in the GROWTH and BUILDING phase, with induction of new faculty, recognition for funding under FIST programme of Department of Science and Technology, Government of India and special assistance programme of the University Grant Commission. The Department has purchased new and sophisticated instruments such as GC-MS Perkin Elmer Lambda-35, Bio-Rad smartspec™ plus UV-Vis Spectrophotometer, Genway UV-Vis Spectrophotometers, Scintillation Counter, High Speed Centrifuges, UV-Vis Spectrophotometer, Ultra filtration unit, PCR thermocycler, Gel-Doc, Lypholizer, Spectrofluorimeter, HPLC and Ultracentrifuge 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 an academic and industrial settings. Many of our alumni are occupying important positions in India and abroad.

Faculty

Particulars	Name	Field of Research Specialization
Professors (Re-employed)	S.K. Singla	<i>Urolithiasis</i>
	S.Ojha	<i>Natural Product Biochemistry</i>
Professors	Rajat Sandhir (Chairperson)	<i>Neurochemistry</i>
	S.C. Sharma	<i>Stress Biochemistry</i>
	Archana Bhatnagar	<i>Immunological disorders</i>

Assistant Professors	Navneet Agnihotri Dipti Sareen Nirmal Prabhakar	<i>Cancer Biology</i> <i>Microbial Biochemistry</i> <i>Analytical Biochemistry</i>
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Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc (H.S.)	30+4NRI	3 years	Through P.U.-CET-2014 (U.G.) and as per university rules.
M.Sc. (H.S.)*	29+4NRI	2 Years	(a) B.Sc. (Hon.School) biochemistry or its equivalent exam. (b) 50% marks in B.Sc. (Pass or Hons.) exam. of the P.U. or any other exam. recognized by P.U. as equivalent thereto with Biochemistry as one of the elective subjects + P.U.-CET-(P.G)

*After admitting all the ongoing students of B.Sc. (H.S.) 3rd year, vacant seats will be filled from outside, B.Sc. (MLT) examination is not equivalent to B.Sc. (H.S.) Biochemistry of P.U.

Ph.D.	Subject to availability	3-5 years	See General Important Guidelines
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Title of Syllabi : (Detailed syllabi already exist on the P.U. website)

Thrust areas

Molecular basis of Diseases, Neurochemistry, Cancer Biology, Microbial Biochemistry, Immunology, Natural Products Biochemistry, Analytical Biochemistry and Biochemical Toxicology.

DEPARTMENT OF BIOPHYSICS

About the Department

Biophysics has in recent times emerged as an interdisciplinary subject in the Life Sciences 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 areas, which include molecular biophysics, physiological biophysics, medical physics, radiation physics, gene and protein engineering, Advances in these areas have paved a way for the designing and development of drugs and medical technologies for the welfare of mankind.

The Department of Biophysics was established in 1964 and it is the only department, which offers both undergraduate and postgraduate courses in the discipline of Biophysics (Hons. School). The department also offers excellent research opportunities leading to the award of Ph.D. degree. The courses being offered to the three years B.Sc. (Hons. School) and two years M.Sc. (Hons. School) students in Biophysics are planned in a way so as to provide a broad base in the subject and be accepted in the diverse fields of biomedical sciences. Alumni from this department have been suitably employed and many of them have occupied coveted positions in the academic, industry, medical institutions, natural laboratories and prestigious research institutions in India and abroad.

Department is conducting M.Sc. Nuclear Medicine with Prof. D.K.Dhawan as Co-ordinator since 2007-2008.

The department has been given special assistance under UGC-SAP program FIST grant under DST program. Both these programs have been extended for Phase-II for the period (2009-2014).

For more details see the website <http://biophysics.puchd.ac.in>

Faculty

Particulars	Name	Field of Research Specialization
Professor Emeritus/ Emeritus Medical Scientist	M.P.Bansal	<i>Oxidative Stress mechanisms and its modulation in male reproduction</i>
Emeritus Scientist - CSIR	S.N. Sanyal	<i>Cancer Cell and Molecular Biology</i>
Professor Re-employed	F.S. Nandel	<i>Molecular design and design of Bioactive Peptides</i>
Professors	D.K. Dhawan Bimla Nehru M.L. Garg	<i>Nuclear Medicine and Radiation Biophysics Neurobiophysics Physiology and Anatomy Spectroscopic & Computational Studies of metalloproteins Biomedical Instrumentation Phyto Medicine & Carcinogenesis</i>
Assistant Professors	Ashwani Koul (Chairperson) Avneet Saini Sarvnrinder Kaur Tranum Kaur Tanzeer Kaur	<i>Computational Biophysics Molecular Biology Cancer Biology and Nanomedicine Proteomics and Calcification</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc. (Hons. School)	30+4NRI	3 year	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/ Biotechnology/ Computer Science and merit in P.U.-CET-2014 (U.G.)
M.Sc. (Hons. School)	25+4NRI	2 year	a) B.Sc. (H.S.) in Biophysics of Panjab University OR b) B.Sc./B.Sc.(Hons.) in Biophysics/Bioinformatics/ Biotechnology of the Panjab University or any other examination recognized as equivalent. OR c) B.Sc. with Physics, Chemistry and Life Sciences as the subjects during all the three years of the graduation and merit in P.U.-CET-(P.G.) conducted by the Panjab University
Ph.D.	Subject to availability	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 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.

Ph.D.

The Department offers research facilities leading to Ph.D. degree in the areas of Cell & Molecular Biology, Molecular Biophysics, Radiation Biophysics, Neurobiophysics, Membrane Biophysics, Molecular Modelling & Drug Designing, Molecular & Reproductive Endocrinology, Cellular & Molecular Toxicology, Cancer Biology, Biomaterials and Biomedical Instrumentation.

Titles of Syllabi :

B.Sc. (H.S.)

SEMESTER I & II (Major)

1. Introduction to Biophysics - I
2. Introduction to Biophysics - II
(Subsidiary)
 - i) English preliminary Paper A
 - ii) English Paper B ORAL
 - iii) Physics Paper I (Electricity, Magnetism & Electronics)
 - iv) Physics Paper II (Optics & Modern Physics)
 - v) General Chemistry
 - vi) Mathematics
 - vii) Paper-I (Algebra, Geometry & Trigonometry)
 - viii) Mathematics Paper-II (Calculus & Differential Equations)
 - ix) Zoology
 - x) Botany

SEMESTER III & IV (Major)

1. Microscopic Anatomy
2. Mammalian Physiology
3. Biophysical Chemistry
4. Physicochemical Techniques (Subsidiary) for Microbiology and Biochemistry Deptt.
 - i) Biochemistry Paper I (Biomolecules & Intermediary Metabolism)
 - ii) Biochemistry Paper II (Enzymology & Molecular Biology)
 - iii) Microbiology Paper I (Introduction to General Microbiology)
 - iv) Microbiology Paper II (Introduction to Applied Microbiology)
 - v) Mathematics Paper-I (Matrices, Vector Algebra & Vector Calculus)
 - vi) Statistics (Elementary Statistics)

SEMESTER V & VI (Major)

- | | |
|---------------------------------|---|
| 1. Cytology and Cell Physiology | 4. Molecular Biophysics |
| 2. Molecular Biology | 5. Radiation Biophysics |
| 3. Neurobiophysics | 6. Biomedical Instrumentation and Electron Microscopy |

M.Sc. (H.S.)

SEMESTER I & II (Major)

- | | |
|---|--|
| 1. Cell and Membrane Biophysics | 4. Medical Physics and Instrumentation |
| 2. Gene and Protein Engineering | 5. Computer Application & Bioinformatics |
| 3. Biomolecular spectroscopy and Biocrystallography | |

SEMESTER III

- | | |
|---|-----------------------|
| 1. Advanced Topics in Biophysics (Seminars/ Journal Club) | 3. Pre Thesis Seminar |
| 2. Comprehension of the NET syllabus for Life Sciences | |

SEMESTER IV

- | | |
|-------------------|--------------------------------------|
| 1. Thesis Seminar | 2. Viva- Voce and Thesis examination |
|-------------------|--------------------------------------|
- * Supervisors for guidance of the M.Sc. thesis work shall be allotted in the beginning of Semester III.

Thrust Area

Cellular & Molecular Biophysics, Biomembranes and Radiation Biophysics, Cancer Biophysics.

DEPARTMENT OF BIOTECHNOLOGY

About the Department

The Department of Biotechnology, P.U., Chandigarh, came into existence as Centre in 1989. In 1993 after obtaining financial aid from UGC and DBT, Govt. of India, it was upgraded to full - fledged Department. The Department is rated as one of the best in India for imparting state of art knowledge to the students in the field of biotechnology. Most of the faculty members have been trained abroad and are recipients of prestigious national and international awards. The faculty of the department publishes research papers in national and international journals with high impact factor. Every year the department organizes Workshop / Symposium / Seminar to update the students with latest developments in the field. The Department also organizes BIOTECH/RENDEZVOUS for the students of Schools, Colleges and University. Scientists of international and national repute are invited to deliver lectures. The department has the distinction of being funded by UGC - SAP (2007-12; 2013-2018)) and FIST (DST) (2002-07 ; 2011-16)

Faculty

Particulars	Name	Field of Research Specialization
Professor Emeritus	R.C. Sobti	<i>Molecular Diagnosis of Cancer</i>
Professor	Jagdeep Kaur	<i>Molecular Biology & Protein Biochemistry</i>
Associate Professors	Neena Capalash (Chairperson) Jagtar Singh	<i>Microbial Biotechnology & Cancer Biology</i> <i>Animal Biotechnology, Immunology & Molecular Epidemiology</i>
Assistant Professor	Kashmir Singh	<i>Plant Biotechnology</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc. (H.S.)	15 + 2 NRI	3Years (Semester System)	50% marks in 10+2 or equivalent examination with the subjects English, Physics, Chemistry, Mathematics, Biology, Biotechnology/Computer Science. Admissions would be on the basis of P.U.-CET-2014(U.G)
M.Sc.	*Ongoing + **5 (General) +2 (S.C.) + 2 NRI	2Years (Semester System)	*All students who have passed B.Sc. (H.S.) Biotechnology from Panjab University. **For 5+2 (SC)+2 (NRI) seats, on the basis of merit of P.U.-CET-(P.G.) (2014), only those students who have cleared B.Sc. Biotechnology (50% marks)/B.Sc. with 50% marks with Biotechnology as Elective/ Vocational subject (studied for 3 years) are eligible
Ph.D.	Subject to availability		See General Important Guidelines

SYLLABUS - 2014-15 : B.Sc. (Hons. School) & M.Sc. (Hons. School) Semester System

The syllabi of these courses have been designed to enable the degree holders to meet new challenges in the modern world of Biotechnology. The students are taught Molecular Biology, DNA Technology, Bioethics, Immunology, Molecular Genetics, Ecological Interaction & Biodiversity, Plant Biotechnology, Plant Taxonomy, Tools in Biotechnology, Fermentation Technology, Cellular Biochemistry and Emerging Technologies etc.

Open and continuous system of evaluation is adopted for B.Sc. & M.Sc. Courses. Both theory

and practical examinations are conducted by the Internal Examiners.

Thrust Areas

Molecular Oncology, Microbial Biotechnology, Plant Biotechnology.

DEPARTMENT OF BOTANY

About the Department

The Department of Botany, Panjab Univesity was established in 1919 at Lahore. It shifted to Chandigarh in 1960 from Khalsa College, Amritsar where it had been 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. In fact, this is the only Botany Department in the country, which has the necessary expertise to attend to all plant groups. 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; and importance of microbes in human welfare. In addition to teaching through modern techniques, seminars, symposia, workshops, 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 Garden, spread over 16 acres of land is one of the better-known botanical gardens attached to any university of the country. Recently, the department has been sanctioned BSR fellowships under UGC-SAP (DRS) programme. Additionally, the UGC sanctions funds for infrastructural development to the department from time to time. Besides this, many projects are being funded by DST, MOEF, UGC, CSIR and DBT.

Faculty

Particulars	Name	Field of Research Specialization
Professors Emeritus	S.S. Kumar	<i>Bryology</i>
	S.C. Verma	<i>Cytogenetics</i>
	M.L. Sharma	<i>Angiosperm taxonomy and grasses</i>
Professors	A.S. Ahluwalia (Chairperson)	<i>Algal diversity & Physiology</i>
	Daizy Rani	<i>Ecology (Eco-Physiology)</i>
	C. Nirmala	<i>Cytogenetics, Molecular Biology and Biotechnology</i>
	P. Pathak	<i>Morphology and Morphogenesis</i>
	Harsh Nayyar	<i>Plant Physiology</i>
	Sunita Kapila	<i>Bryology</i>
	I.B. Prasher	<i>Mycology and Plant Pathology</i>
	Richa Puri	<i>Biosystematics and Seed Physiology</i>
	Neera Garg	<i>Plant Physiology</i>
Associate Professors	Anju Rao	<i>Plant Morphogenesis</i>
	Kamaljit Singh	<i>Plant Physiology</i>
Assistant Professor (Re-employed)	GK. Malik	<i>Cytogenetics</i>
Assistant Professors	M.C. Sidhu	<i>Cytogenetics/Plant Breeding</i>
	A.N. Singh	<i>Ecology</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc. (H.S.)	20+3NRI	3 years	P.U.-CET-2014 (U.G) after 10+2
M.Sc. (H.S.)	25+4NRI	2 years	a) B.Sc. (Hons. School) or b) 50% marks in B.Sc. (Pass or Hons.) exam of the P.U. or any other exam recognised by P.U. as equivalent thereto with Botany as one of the elective subject+ P.U.-CET-(P.G)
M.Phil.	15	1 year	See General Important Guidelines
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

For the degree of Doctor of Philosophy (Ph.D) research scholars are primarily those who have cleared NET/CSIR/GATE National Level Tests. The criteria and procedure of selecting research scholars is that they are usually selected directly by the sponsors (UGC/CSIR etc.). The UGC has sanctioned 5 extra research fellowships to the department under BSR scheme. The department also has post-doctoral fellows sponsored by the UGC, DBT and DST etc.

Titles of Syllabi :**B.Sc. (Hons. School)****SEMESTER-I****THEORY (500 Marks)**

Paper I : Phycology	Paper IV : Subsidiary
Paper II : Cytology	Paper V : Subsidiary (English)
Paper III : Subsidiary	

SEMESTER-II**THEORY (500 Marks)**

Paper I : Bryology	Paper IV : Subsidiary
Paper II : Economic Botany	Paper V : Subsidiary (English)
Paper III : Subsidiary	

SEMESTER-III**THEORY (500 Marks)**

Paper I : Pteridology	Paper IV : Subsidiary
Paper II : Plant Anatomy	Paper V : Subsidiary
Paper III : Ethnobotany	

SEMESTER-IV**THEORY (500 Marks)**

Paper I : Gymnosperms	Paper IV : Subsidiary
Paper II : Plant Morphogenesis	Paper V : Subsidiary
Paper III : Paleobotany	

SEMESTER-V**THEORY (500 Marks)**

Paper I : Taxonomy of Angiosperms	Paper IV : Plant Breeding
Paper II : Ecology	Paper V : Molecular Biology
Paper III : Genetics	

SEMESTER-VI

THEORY (500 Marks)

Paper I	: Mycology and Lichenology	Paper IV	: Microbiology - Viruses, Bacteria,
Paper II	: Plant Physiology		Mycoplasma
Paper III	: Plant Biochemistry	Paper V	: Embryology of Angiosperms

B.Sc. (Hons. School) (Subsidiary)

SEMESTER-I

Paper-I	: Plant Diversity - I (Cryptogams)
	Elementary Botany for Basic Medical Sciences (Bio-physics, Bio-chemistry and Microbiology)

SEMESTER-II

Paper-I	: Plant Diversity - II (Phanerogams)
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SEMESTER-III

Paper-I	: Plant Diversity - III (Plant Anatomy, Applied Botany & Cytogenetics)
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SEMESTER-IV

Paper-I	: Plant Diversity - IV (Plant Ecology & Physiology)
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M.Sc. (Hons. School)

SEMESTER-I

THEORY (500 marks)

Paper I	: Bryology	Paper-IV	: Plant Resource Utilization
Paper II	: Pteridology	Paper-V	: Angiosperms: Phylogeny & Embryology
Paper III	: Gymnosperms		

SEMESTER-II

THEORY (500 marks)

Paper I	: Phycology	Paper-IV	: Cytogenetics & Plant Breeding
Paper II	: Plant Anatomy	Paper-V	: Environmental Botany
Paper III	: Taxonomy of Angiosperms		

SEMESTER-III

THEORY (500 marks)

Paper I	: Mycology	Paper-IV	: Molecular Biology
Paper II	: Plant Physiology	Paper-V	: Forestry
Paper III	: Plant Biochemistry		

SEMESTER-IV

THEORY (500 marks)

Paper I	: Plant Pathology	Paper-IV	: Comprehensive Test & Field Botany
Paper II	: Biostatistics & Research methodology	Paper-V	: Project & Seminar
Paper III	: Plant Biotechnology & Genetic Engineering		

Thrust Area

Phycology, Mycology, Bryology, Taxonomy, Morphology, Physiology, Cytology, Plant Biotechnology, Biochemistry and Ecology.

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 for 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, summer institutes, refresher and orientation 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

Particular	Name	Field of Research Specialization
Professors Emeritus	S.V. Kessar	<i>Organic</i>
	D.V.S. Jain	<i>Physical</i>
	Gurdev Singh	<i>Inorganic</i>
	D.S. Gill	<i>Analytical</i>
Professor (Re-employed)	Pratibha Kapoor	<i>Inorganic</i>
	Neelam Seedher	<i>Physical</i>
	R.P. Sharma	<i>Inorganic</i>
	K.K. Bhasin	<i>Inorganic</i>
	S.S. Bari	<i>Organic</i>
	Paramjit Singh	<i>Organic</i>
Professors	Sukhjinder Singh	<i>Inorganic</i>
	S.K. Mehta (Chairperson)	<i>Physical</i>
	P. Venugopalan	<i>Inorganic</i>
	Alok Srivastava	<i>Physical</i>
Assistant Professors	Kamal Nain Singh	<i>Organic</i>
	Gurjaspreet Singh	<i>Inorganic</i>
	Ganga Ram Chaudhary	<i>Physical</i>
	Amarjit Kaur	<i>Organic</i>
	Sonal Singhal	<i>Inorganic</i>
	Vikas	<i>Physical</i>
	Aman Bhalla	<i>Organic</i>
	Navneet Kaur	<i>Organic</i>
	Varinder Kaur	<i>Inorganic</i>
	Shweta Rana	<i>Physical</i>
Rohit Kumar Sharma	<i>Organic</i>	
Ramesh Kataria	<i>Inorganic</i>	
UGC Research Scientists 'C'	Jasvinder Singh Brar	<i>Organic</i>
Assistant Professors	Khushwinder Kaur	<i>Physical</i>
	Jyoti Aggarwal	<i>Organic</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc. (H.S)	58+8NRI	3 years	Admission based on P.U. CET–2014 (U.G.)
M.Sc. (H.S)	15+2NRI	2 years	(a) B.Sc.(H.S.) student of P.U. all students after passing B.Sc in Chemistry of P.U. OR (b) Admission based on P.U. CET– (P.G.) for B.Sc. (Pass or Hons.) examination with 50% marks from P.U. or any other university recognized as equivalent thereto with (i) Chemistry (ii) Physics (iii) Mathematics and/or Botany/ Zoology during all three years of graduation.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

Regarding details of course of study and their structure under Semester system, the syllabus published by the University and notified by the department may be consulted

Titles of Syllabi : (Detailed syllabi available online at <http://www.pu.ac.in>)
B.Sc.(H.S) Chemistry
M.Sc.(H.S) Chemistry

Thrust Areas

- (a) Inorganic/Organometallic chemistry and its applications to nanotechnology
- (b) Synthetic Organic and green chemistry
- (c) Colloidal, Biophysical and Theoretical chemistry

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, **Ph.D. programme, Master of Computer Applications (MCA)** – a three year full time course (**Morning**) and **MCA (Evening)** – a self financing course, **Master of Science (Honours School) in Computer Science**. For all the full time post graduate degree courses and Ph.D. programme, admissions are held through an entrance test conducted by the Panjab University. The quality of input is really good as we are getting both Indian as well as foreign students in all the programmes.

The department has qualified, regular and competent faculty members with Ph.D., M.Tech. and MCA (UGC NET Cleared) qualification. 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 are well placed in various reputed companies. The department has 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 Distributed Artificial Intelligence, Educational Technology, Computer Graphics, Semantic Web Applications, Software Quality, Open Source Software and Pattern Recognition.

Faculty

Professors	:	R. K. Singla	M. Syamala Devi
Associate Professors	:	Sonal Chawla (Chairperson)	Anu Gupta Indu Chhabra
Assistant Professors	:	Jasleen Kaur Balwinder Kaur	Rohini Sharma Anuj Kumar
System Programmers	:	Mamta Gupta Arvind Syal	Nishi
Sr. Technical Officer	:	Binh	

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc. (H.S.) Computer Science			The admission of B.Sc. (H.S) Computer Science First Year since session 2008 – 2009 be kept it in abeyance till further order.
M.Sc. (H.S.) Computer Science	11+ (2 NRI).	2 year (Semester System)	BCA/ B.Sc. (H.S.) Computer Science /B.Tech./ B.E. (Computer Science/ Engineering) or any other examination recognized as equivalent with 50% marks thereto. Admission based on P.U. CET-(P.G).
M.C.A.	34+ 2*+(5 NRI)	3 years (Semester System)	“The minimum qualification for admission to the first year of the course shall : (i) A recognized first degree of minimum three year’s duration 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)
M.C.A. (Evening) Self-financing Course	46+ 2*+(6 NRI)	3 years (Semester System)	The admission is based on P.U. CET-(P.G). Entrance Test conducted by Panjab University, Chandigarh.

Broucher & Placement of MCA & M.Sc. (HS) Students will be combined.

Thrust Areas

Distributed Artificial Intelligence, Educational Technology, Computer Graphics, Software Quality, Open Source Software, and Pattern recognition are some of the thrust areas in which the faculty is performing and guiding research. The objective of future research is to develop applications useful to society. The focus of future teaching is to improve the teaching – learning methods by Integrating Information and Communication Technologies in curriculum as well as to develop and use multimedia software packages, and educational audio and video tools to provide quality education.

*For candidates who have studied computer as one of the subjects for three years/or that subject as a full course at the undergraduate level.

DEPARTMENT OF COMPUTER CENTRE

The Computer Culture at Panjab University dates back to 1966. By now now Computer Centre exists with facilities of well-equipped Virtual Class room, Wi-Fi access, storage, web and e-mail server. Each university department has access to the internet and e-mail facilities, which are being brought to the desktops and laptops. Ministry of HRD, Government of India has selected Panjab University as a node to be connected to National Knowledge Commission (NKN) with high network bandwidth extendable upto 10 Gigabit. The computer centre has been providing computing and network facilities to whole of the campus.

Almost all the Departments, Centers, Hostel and Guest Houses are connected through optical fiber. All Hostels have Internet Connectivity and students can access internet free of cost. The Centre provides Internet connection for more than 2000 terminals and more than 10000 wireless Wi-Fi users. Wide Area Connectivity to P.U. campus is provided through three wide area network links of 1 Gbps (NKN), 1 Gbps (NME-ICT), 155 Mbps (1:1) (Reliance). The access of network from outside is provided through hardware firewall security infrastructure and Virtual Private Network (VPN).

The University provides network/web based facility for computing including software support like SPSS, MATLAB, Mathematica, Antiplagiarism and Antivirus etc. In addition, latest storage device, e-mail Server, Web Server has been hosted at Computer Centre.

Computer Centre has also developed Virtual Class room for hosting various activities like webinars and lectures of eminent persons. It has also developed webcasting solution for webcasting important and popular lectures. Computer Centre has been offering short-term awareness courses for the Faculty, Non-Teaching Staff and Research Scholars free of cost from time to time. These courses have been very useful for encouraging the Faculty, Staff and Scholars to make an effective use of Computer & Information Technology and other support service.

Computer Centre maintain University Website to host datesheets, results, examination forms, online admission and online forms for entrance test for the convenience of student/public. Computer Centre is also doing Consultancy Projects like Entrance Examinations, Recruitment Tests, Software development, Network planning & Design, Website Development.

Staff

<i>Director</i>	:	Tankeshwar K.
System Administrators	:	Ajay Guleria Neelam Verma
Sr. Programmer	:	Mamta
Sr. Technical Officer	:	Amit Malhotra

DEPARTMENT OF ENVIRONMENT STUDIES

About the Department

The department, in a span of over 12 years, has achieved good visibility in India and abroad. The faculty and the research students have fetched many national and international awards.

Faculty members have been members of editorial boards of various national and international journals.

Faculty members have been publishing research papers in relatively high impact journals, and supervising students for research in a variety of environmental aspects.

Faculty

Particular	Name	Field of Research Specialization
Assistant Professors	Harminder Pal Singh (Chairperson)	<i>Biotic Environment</i>
	Madhuri Rishi	<i>Earth & Atmospheric Science</i>
	Suman Mor	<i>Solid Waste Management</i>
	Rajeev Kumar	<i>Physical Environment</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.Sc. (Environment Science)	20 + 3 NRI	2 years (4 Semesters)	(a) Graduates from any Science/Engineering Stream or any other stream with Honours in Geography as one of the subjects from P.U. or any other University recognised by P.U. (b) Admission based on P.U. CET-(P.G.).
Ph.D. (Faculty of Science)	Subject to availability	3-5 years	See General Important Guidelines

Title of the syllabi**M.Sc. (Environment Science) Outlines of Syllabus, Reading Material and Tests Session : 2014-2016****SEMESTER-I**

Paper-I	Env-6101	Geo-Environment and Meteorological Science	Paper-III	Env-6103	Environmental Chemistry & Toxicology
Paper-II	Env-6102	Ecological Principles	Paper-IV	Env-6104	Solid Waste Management and Techniques

SEMESTER-II

Paper-I	Env-6201	Biodiversity Conservation	Paper-III	Env-6203	Environmental Technology
Paper-II	Env-6202	Environmental Analysis : Techniques and Instrumentation	Paper-IV	Env-6204	Environmental Impact Assessment and Auditing

SEMESTER-III

Paper-I	Env-6301	Environmental Pollution	Paper-III	Env-6303	Environment and Energy Management
Paper-II	Env-6302	Regional and Global Environmental Issues	Paper-IV	Env-6304	Industrial and Biomedical Waste Management

SEMESTER-IV

Paper-I	Env-6401	Statistical Applications and Research Methodology	Paper-III	Env-6403	Remote Sensing and GIS in Environmental
Paper-II	Env-6402	Environmental Biotechnology	Paper-IV	Env-6404	Training of at least 4 weeks, project report, presentation

M.Sc. (Environment Science) :

In view of the enormous demand of environment specialists as educators, researchers, industrial consultants, urban planners and architects for the Government and Non-government organisations, in 2002 the university started a 2-year Master's degree programme in Environment Science. The level of the course is evident from the brilliant result shown by the students at the national level UGC-NET in the country in the discipline. The course is so designed that the students have to maintain regularity and seriousness. In each of the 4 papers in a semester (except the seminar/term-paper/project), a student is offered 2 tests. Which are considered towards the final internal/continuous assessment comprising 20% of the total maximum marks reported in the final award-list. The attendance is also reported in the Detailed Marks-card issued to the students on completion of the semester.

The Department has reached at the top band of recognized institutions in the subject of Environment Science in the country on account of :

- (a) Consecutively best results in the UGC-NET of our students;
- (b) Producing many good publications in high ranking refereed International journals.

The syllabus approved by the National Educational Testing of the UGC (after addition of the topics relevant to the local and national demands) has been adopted. The subject being inter-disciplinary and multidisciplinary, the faculty (based on the expertise in the relevant field) is drawn from different departments of the campus. The Outlines of Tests/Courses of Reading/Syllabus can be seen at the web site of Panjab University.

Environment Education :

The Department of Environment Studies also serves as the nucleus for the Compulsory course on Environment Education for a 3-year degree course in any stream {BA, BBA, BCA, B.Sc., B.Com., B.Sc. (Honours School)}. A committee comprising of faculty member of Department of Environment Studies, Colleges, Professors of the university and the Chairperson DEVS (Convener) advises the operation of the course.

Doctoral Programme :

The Department proposes to enroll and register suitable candidates for interdisciplinary research in any aspect of Environment for the award of Ph.D. degree under the Faculty of Science. Currently 38 students are registered under Ph.D. Programme under the guidance of environment experts from different disciplines.

Research Component :

Research on the current environmental issues of local, national and global importance remains the major thrust of the DEVS.

Consultancy :

The DEVS undertakes consultancy on environmental issues through the University. Some of the organization for which consultancy has been undertaken include High Court of Himachal Pradesh, Coca Cola, Punjab State Council for Science and Technology, HMT, Pinjore (Haryana).

Awards :

The researches conducted for the DEVS have been credited with various national and international awards.

Facilities Available :

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. It has its own library with latest books and reading material in the field of Environment, Solidwaste Management. Inter-disciplinary facilities from the Department of Geology, Chemistry, Physics, Botany, Zoology and Biotechnology are also available. The facility of Visual aids like LCD projector, Slide and Over-head projectors are available for imparting instructions to the students. Students are encouraged to use these aids even for their seminars. About 10 computers with internet connectivity have also been provided in the DEVS. The students are regularly exposed to various aspects of industry requiring environmental attention alongwith educational trips to the related production units and research institutions.

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.

**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 Paleontology. 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, Environmental Geology, Quaternary Geology & Hydrogeology were included in the thrust areas. The Department has been allocated Rs.90 lacs. under the FIST Programme of the DST in 2003. In 2012 the department has received Rs.148.00 lacs under CAS scheme of the UGC.

It is 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. Under the FIST programme of DST the department have a new SEM for research apart from funds for Networking and a Jaw Crusher to upgrade its infrastructure facilities. The department has 23(Twenty Three) (registered/enrolled) research students on its rolls.

Faculty

Particulars	Name	Field of Research Specialization
Professors Emeritus	Ashok Sahni S.B. Bhatia	<i>Vertebrate Palaeontology, Biomineralisation Micropalaeontology</i>
Professors Re-employed	A.D. Ahluwalia Veena Dadwal G.S. Gill	<i>Palaeontology, Quarternary Geology Analytical Geochemistry, Environmental Geology, Medical Geology Neotectonics, Hydrogeochemistry, Soil Chemistry</i>
Professors	Naval Kishore (on leave) R.S. Loyal (Chairperson) Naresh Tuli Naveen Chaudhri Rajeev Patnaik	<i>Hydrogeology, Petrology, Environmental Geology Vertebrate Palaeontology, Biostratigraphy, Palaeobiogeography Engineering Geology, Environmental Geochemistry, Medical Geology Igneous Petrology, Isotope geochemistry Vertebrate Palaeontology, Palaeoclimatology</i>
Assistant Professors	Ashu Khosla Parampreet Kaur Gurmeet Kaur B.P. Singh	<i>Palaeobiology, Palaeoenvironment Igneous Petrology, Isotope Geochemistry Igneous Petrology, Geochemistry Invertebrate Palaeontology & Siliciclastic Sedimentology</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc. (H.S)	30+4 (NRI)	3 years	Admission based on P.U. CET-2014 (U.G).
M.Sc. (H.S)	29+4 (NRI)	2 years	(a) B.Sc. (H.S) students of Geology, P.U. (b) For vacant seats- based on P.U. CET-(P.G.) merit and approval of Syndicate/Senate. Eligibility: 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.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines.

Titles of Syllabi : (Detailed Syllabi already exists on the P.U. Website)**B.Sc. (H.S) I Semester (Major) in Geology (Theory & Practical)**

Course No.	Title	Course No	Title
101	Physical Geology	102	Structural Geology
103 & 104	Crystallography & Mineralogy	105P	Physical Geology, Structural Geology, Crystallography & Mineralogy.

B.Sc. (H.S) II Semester (Major) in Geology (Theory & Practical)

Course No.	Title	Course No	Title
201	Physical Geology	202	Structural Geology
203 & 204	Crystallography & Mineralogy	204P	Physical Geology, Structural Geology, Crystallography & Mineralogy & Field Work.

B.Sc. (H.S) I Semester (Subsidiary) in Geology (Theory & Practical)

S-101	Physical Geology	S-102	Structural Geology
S-103 & S-104	Crystallography & Mineralogy	105P	Physical Geology, Structural Geology, Crystallography & Mineralogy.

B.Sc. (H.S) II Semester (Subsidiary) in Geology (Theory & Practical)

S-201	Physical Geology	S-202	Structural Geology
S-203 & S-204	Crystallography & Mineralogy	205P	Physical Geology, Structural Geology, Crystallography & Mineralogy.

B.Sc. (H.S) III Semester (Major) in Geology (Theory & Practical)

301 & 302	Petrology & Structural Geology	303	Palaeontology
304P	Petrology & Structural Geology	305P	Palaeontology

B.Sc. (H.S) IV Semester (Major) in Geology (Theory & Practical)

401&402	Stratigraphy & Geomorphology	403	Optical Mineralogy
404P	Stratigraphy & Geomorphology Optical Mineralogy	405FW	Geological Field Work

B.Sc. (H.S) III Semester (Subsidiary) in Geology (Theory & Practical)

S-301	Petrology	S-302	Economic Geology
S-303 & S-304	Palaeontology & Stratigraphy	S-305P	Petrology, Economic Geology, Palaeontology & Stratigraphy.

B.Sc. (H.S) IV Semester (Subsidiary) in Geology (Theory & Practical)

S-401	Petrology	S-402	Economic Geology
S-403 & S-404	Palaeontology & Stratigraphy	S-405P	Petrology, Economic Geology, Palaeontology & Stratigraphy

B.Sc. (H.S) V Semester (Major) in Geology (Theory & Practical)

501	Igneous Petrology	502	Metamorphic Petrology
503	Sedimentology	504	Stratigraphy
505P	Igneous Petrology & Metamorphic Petrology	506P	Sedimentology & Stratigraphy
507FW	Geological Field Work		

B.Sc. (H.S) VI Semester (Major) in Geology (Theory & Practical)

Course No.	Title	Course No	Title
601	Palaeontology	602	Economic Geology-I
603	Economic Geology-II	604	Economic Geology & Applied Geology (Hydrogeology, Mining Geology & Field Geology)
605P	Palaeontology		
607FW	Geological Field Report & Viva voce	606P	Economic Geology & Applied Geology (Hydrogeology, Mining Geology & Field Geology)

M.Sc. (H.S) I Semester in Geology (Theory & Practical)

701& 702	Igneous Petrology & Metamorphic Petrology	703&704	Sedimentology & Tectonics
705 &706	Palaeontology & Stratigraphy	707P	Igneous Petrology & Metamorphic Petrology
708P	Sedimentology & Tectonics	709P	Palaeontology & Stratigraphy
710 FW	Geological Field Work		

M.Sc. (H.S) II Semester in Geology (Theory & Practical)

801& 802	Igneous Petrology & Metamorphic Petrology	803&804	Sedimentology & Structural Geology
805 &806	Palaeontology & Stratigraphy	807P	Igneous Petrology & Metamorphic Petrology
808P	Sedimentology & Structural Geology	809P	Palaeontology & Stratigraphy
810 FW	Geological Field Report & Viva Voce		

M.Sc. (H.S) III Semester in Geology (Theory & Practical)

901& 902	Remote Sensing-GIS & Geomorpho- logy, Climatology	903&904	Petroleum Geology & Ore Geology
905 &906	Isotope Geology & Engineering Geology	907P	Remote Sensing-GIS, Geomorphology & Climatology, Ore Geology
908P	Petroleum Geology, Isotope Geology & Engineering Geology	909FW	Project Oriented Geological Field Work

M.Sc. (H.S) IV Semester in Geology (Theory & Practical)

1001& 1002	Exploration Geochemistry & Exploration Geophysics	1003&1004	Hydrogeology & Environmental Geology
1005P	Exploration Geochemistry & Exploration Geophysics	1006P	Hydrogeology & Environmental Geology
1007FW	Project Oriented Report : Lab. Work, Field Report & Viva Voce		

Ph.D.

Ph.D. Course Work for one Semester. Paper-I(Compulsory) Research Methodology.
Paper-II (Optional) Advances in subject. Paper-III Seminar.

Thrust Areas

Paleontology, Stratigraphy, Petrology, Hydrogeology & Environmental Geology.

INSTITUTE OF FORENSIC SCIENCE & CRIMINOLOGY

About the Institute

The application of science to the law and exploring the body of knowledge regarding delinquency and crime as social phenomena is what comprise the Institute of Forensic Science & Criminology (IFSC) which has been incepted by Panjab University in the year 2009. Forensic Science is built upon the principles dragged from Physics, Chemistry, Biology, Anthropology and other scientific principles and methods. In earlier times real 'forensic science' has been assigned to the real science of fingerprints, firearms, tool-marks and questioned documents etc. But, in recent years, it had matured into a scientific discipline in its own right. Criminology is aimed principally at elucidating the connection between crime and the personal characteristics of the offender or his environment, with special reference to the origin of the offence.

Scope

There are enough scope for career growth in government and Private Sector in India and abroad. The employment generating areas in government sector are Law Enforcing Agencies such as National Investigation Agency, Central Bureau of Investigation, Intelligence Bureau, central/state police departments, Centre Forensic Science Laboratory, State Forensic Science Laboratory, Hospitals, Banks, Universities Defense/Army, Quality Control Bureau, Narcotics Department, Judicial Services, Forest and Wild Life Departments etc; and in the private sectors are Security Agencies, Banks, Multinationals, Detective Agencies, Media, Insurance Companies consultants in industry & free lance consultants/private practitioner, Law Firms and Hospitals etc.

Faculty

Particular	Name	Field of Research Specialization
Professor	Rajat Sandhir (Coordinator)	<i>Forensic Biology, Molecular Forensics</i>
Assistant Professors	Shweta Vishal Sharma	<i>Forensic Toxicology, Colloidal Chemistry Material Science, Finger Print Science</i>

Guest Faculty

Guest Faculty is drawn from the following Institutes:

- Central Forensic Science Laboratories
- State Forensic Science Laboratories
- Post Graduate Institute of Medical Education & Research (PGIMER), Chandigarh
- Government Medical College & Hospital (GMCH), Chandigarh
- Panjab University; Departments of Law, Statistics, Psychology, Anthropology, Zoology & Biotechnology

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.Sc.	20+1*(Including one seat of in service candidate)	2 years (4 Semesters)	**B.Sc./B.Sc. Honours degree in Forensic Science, or any 3/4/5/ year graduation degree in the faculty of Science, Engineering, Medical/Dental and Pharmaceutical Science of Panjab University or any other University recognized by Panjab University with Minimum 50% marks. Admission will be based on the basis of marks in the qualifying examination.

* In case of non availability of in service candidate the seat will be converted into general category

** duly approved by faculty of science in the meeting held on 24 Dec. 2012.

Ph.D. in Forensic Science & Criminology	Subject to availability	3-5 years	Candidates with M.Sc. in Forensic Science/ any other allied discipline who have cleared the all India level test such as UGC/CSIR or ICMR etc. or the Ph.D. entrance examination in the subject of Forensic Science / any other allied discipline conducted by Panjab University are eligible to be enrolled for Ph.D.
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Title of Syllabi

SEMESTER-I	SEMESTER-II	SEMESTER-III
(i) General Forensic Science	(i) Forensic Biological Science	(i) Forensic Toxicology
(ii) Criminology, Criminal Law, Finger Prints Science	(ii) Forensic Chemical Science	(ii) Ballistics
(iii) Forensic Psychology and Statistics	(iii) Forensic Physical Science	(iii) Dugs of Abuse
(iv) Instrumentation	(iv) Quality Management	(iv) Forensic-Anthropology, Osleology and Odontology
		(v) Human Genetics and Cytogenetics
SEMESTER-IV		
Forensic Biological Sci.	Forensic Chemical Sci.	Forensic Physical Sci.
(i) Documents	(i) Documents	(i) Documents
(ii) Moleculer Biology, Immunology, Biochemistry and Microbiology	(ii) Instrumental Analysis in Chemical Science	(ii) Computer Forensic
(iii) Advanced DNA Methods	(iii) Forensic Explosives	(iii) Forensic Audio-Video Analysis
(iv) Case File/Project Work in Forensic Biological Science	(iv) Case File/Project Work in Forensic Chemical Sci.	(iv) Case File/Project Work in Forensic Physical Sci.

Thrust Areas

It includes the development of latent finger prints using nanoparticles, investigating in-vitro haematotoxicity forensic anthropology and related aspects.

DEPARTMENT OF MATHEMATICS

(CAS and DST-FIST Sponsored Department)

The Department was established in 1952 at Hoshiarpur and set up at Chandigarh in 1958. It is one of the best department 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. The Department of Science and Technology have sponsored the department for the FIST (level II) programme.

Faculty

Particular	Name	Field of Research Specialization
Professors Emeritus	R.P. Bambah	<i>Number Theory Geometry of Numbers, Discrete Geometry</i>
	R.J. Hans Gill	<i>Number Theory Geometry of Numbers, Discrete Geometry</i>
	I.B.S. Passi	<i>Algebra</i>
	A.K. Agarwal	<i>Algebra (Group, Rings)</i>

Professor Re-employed	Vinod Kumar Grover Madhu Raka	<i>Algebra, Number Theory Number Theory Geometry of Numbers, Algebraic Coding Theory</i>
Honorary Professor	Rajesh Kochhar	<i>Applied Mathematics</i>
Professors	A.K. Bhandari S.K. Tomar (Chairperson) Savita Bhatnagar Renu Bajaj Vanita Verma Gurmeet Kaur Balshi	<i>Algebra (Group, Rings) Applied Mathematics, Continuum Mechanics Analysis Applied Mathematics, Fluid Dynamics Operational Research Optimization Algebra, Algebraic Coding Theory</i>
Associate Professors	Vikas Bist Poonam Sehgal Dinesh Kumar Khurana	<i>Algebra & Analysis, Linear Algebra Algebra, Number Theory and Complex Analysis Algebra, Rings Theory</i>
Assistant Professors	D.B. Rishi Kapil Kumar Sharma (on leave) Suman Bala Manisha Sharma Anjana Khurana Anuj Sharma	<i>Number Theory, Topology Numerical Analysis Algebra Operational Research Algebra Object Oriented Programming</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc. (H.S.) in Mathematics	25+4NRI	3 years	50 % marks (45% marks in case of SC/ST) in 10+2 with Maths in any stream, Score in the subject of only Mathematics in P.U. CET-2013 (U.G.) Plus admissible weightage
B.Sc. (H.S) in Mathematics & Computing	15+2NRI	3 years	
M.Sc. (H.S.) in Mathematics	(i) 40+5NRI	2 years	B.Sc. (Hons. School) in Mathematics or B.Sc. (Hons. School) in Math & Computing from the Department of Mathematics, P.U., Chandigarh
	(ii) 30+5NRI	2 years	B.A./B.Sc. (General) with 50% marks (45% marks in case of SC/ST) in Mathematics as a major subject
			OR
			B.A./B.Sc. with Hons. 50% marks (45% marks in case of SC/ST) in Mathematics of P.U. or any other Univ. recognized by P.U. as equivalent thereto.
			The admission will be based on P.U. CET-(P.G.) The weightage of marks obtained in Entrance Test and in the last qualifying Examination will be 50 : 50.
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines.

Scholarships for Students

Dr. V.C. Dumir Scholarship for excellence in Mathematics is available for meritorious students of M.Sc. (H.S.) 1st year on the following terms and conditions :

1. The amount of scholarship would be Rs. 1000/- per month for 10 months every year.
2. The scholarship be awarded to a meritorious student of M.Sc. (Honours School) 1st Year studying in the Department of Mathematics, Panjab University, Chandigarh and would be continued to that student for M.Sc. (Honours School) 2nd Year after examining his/her performance.
3. If that student is found to be ineligible to continue the scholarship in 2nd Year, it will be awarded to another deserving student of M.Sc. (Honours School) 2nd Year.

Smt. Balwant Kaur and Shri Dhanpat Roy Bahl Scholarship of the value of Rs.1400 per annum is available for meritorious and deserving post graduate student of the Department of Mathematics. Professor Hans Raj Memorial Scholarship of the value of Rs.1500/- per annum is available for meritorious student of B.Sc. (H.S) First Year.

P.C. Wadhwa Scholarship for a student of M.Sc. (H.S.) Mathematics-Part-II on the following terms and conditions :

1. The amount of scholarship would be @ Rs. 500/- per month for 10 months every year.
2. Secures atleast 60% marks in M.Sc. Part-I examination; and
3. Is NEEDY in view of the FINANCIAL POSITION of the FAMILY he comes from as determined by the University Authorities.

Thrust Areas

Algebra, Continuum Mechanics, Number Theory, Numerical Analysis

DEPARTMENT OF MICROBIOLOGY

About the Department

The Department established in 1964, is one of the oldest and pioneer Department of Microbiology in the country. The department has made a steady progress in teaching and research since its establishment and has been recognized for research by various Government agencies : Department of Biotechnology (DBT), Department of Science & Technology (DST), Ministry of Science & Technology and for Special Assistance Programme by UGC. The department has bagged many research projects from these funding agencies. The graduates from this department are already employed in good positions in various academic, research and industrial organizations at national and international level.

The department has several R&D projects sponsored by various National funding agencies including DBT, DST, CSIR, UGC, and ICMR dealing with various aspects of General and applied Microbiology. The major equipments 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, Transilluminator, Co₂ incubators, Micro centrifuge, Cold Room, PCR machine, Electroporator, ELISA reader, Lyophilizer, Millipore water purification system.

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

Particular	Name	Field of Research Specialization
Professors Emeritus	K.G Gupta	<i>Applied Microbiology</i>
	J.K. Gupta	<i>Industrial Microbiology</i>
Professor Re-employed	R.P. Tiwari	<i>Medical Microbiology</i>
Professors	Vijay Prabha	<i>Medical Microbiology</i>
	Sanjay Chibber	<i>Medical Microbiology</i>
	Prince Sharma	<i>Molecular Microbiology</i>
	Praveen Rishi (Chairperson)	<i>Medical Molecular Microbiology</i>
	Sanjeev Soni	<i>Food and Fermentation Technology</i>
	Kusum Harjai	<i>Applied & Medical Microbiology & Immunology</i>
Assistant Professors	Geeta Shukla	<i>Medical Microbiology</i>
	Deepak Kumar Rahi	<i>Industrial Microbiology</i>
	Naveen Gupta	<i>Industrial & Molecular Microbiology</i>
	Seema Kumari	<i>Virology</i>
	Khem Raj	<i>Medical Microbiology</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc. (H.S.) 1st Year	29+4 NRI	3 Years	Admission based on P.U. CET-2013 (U.G.)
M.Sc. (H.S.) 1st Year	15+2 NRI	2 Years	Admission based on P.U. CET-(P.G.)

Titles of Syllabi :**B.Sc. (Hons. School) :**

B.Sc. (Hons. School) course is three years (six semesters) duration course. During this period the students are imparted training in broad areas of Microbiology viz: General and Applied Microbiology, Bacterial Systematic, Food, Microbiology, Industrial Microbiology, Environmental Microbiology, Mycology, Parasitology, Virology, Immunochemistry and Immunopathology, Medical Bacteriology, Microbial Physiology, Microbial and Molecular Genetics as major subjects in Microbiology discipline. Besides this, the students are sent for learning subsidiary subjects in B.Sc. first year: English, Maths, Physics, Chemistry and in B.Sc. second year: Biophysics, Biochemistry, Statistics in respective departments.

In addition, the department offers one year (two semesters) subsidiary course: Introduction to General Microbiology and Introduction of Applied Microbiology to B.Sc. 2nd year students of other departments: Department of Biochemistry and Biophysics.

Admission to B.Sc. (H.S.) 1st year in Microbiology is for 29 open seats and 4 NRI seats. The admission will be on the basis of marks obtained in the P.U. CET-2014 (U.G.) (Plus admissible weightages, if any) as per University rules for all admissions conducted by the Panjab University. The students who have passed 10+2 examination with at least 50% marks (45% marks in case of SC/ST/BC) with Physics, Chemistry, Biology/Mathematics/Biotechnology are eligible instead of only (10+2) medical group pass.

No direct admission is made to the 2nd or 3rd year of B.Sc. (H.S.).

M.Sc. (Hons. School)

M.Sc. course is of two years (four semesters) duration. M.Sc. (H.S.) students are taught three major courses each in 1st & 2nd semesters and one course in Fundamentals of computer programming and applications in 3rd semester. Project training, Report & Presentation, Seminar presentation and a research project (Thesis) are undertaken in 3rd & 4th semesters.

All the students who have passed the Final B.Sc. III (Hons. School) examination in Microbiology of this University are eligible for admission to the M.Sc. I (Hons. School) course without taking entrance test. In addition the admission is granted against four NRI seats in M.Sc. (Hons. School) Ist year on the basis of entrance test conducted by the University P.U. CET- (P.G.). No seats are available in general and reserved categories unless the number of students falls below 15. In that case or NRI case students who have passed B.Sc. (Pass or Hons.) examination with 50% marks from Panjab University or a recognized University other than Panjab University with Microbiology as an elective subject for three years are eligible for admission on the basis of entrance test.

Regarding details of courses of study and their structure under Semester System, the syllabus published by the University/notified by the Department may be consulted.

Doctorate Degree :

Facilities exist in the department for research work leading to Ph.D. degree. Requirements for Ph.D. course are (i) M.Sc. (Hons. School) in Microbiology of Panjab University or an equivalent degree from any other University recognized by Panjab University (ii) NET or Panjab University, Microbiology Ph.D. Entrance Test cleared (iii) Financial support.

Thrust Areas

Medical Microbiology, Agricultural Microbiology, Food Microbiology, Industrial Microbiology, Immunology, Environmental Microbiology, Microbial Physiology and Biochemistry and Genetic Engineering and Biotechnology.

DEPARTMENT-cum-NATIONAL CENTRE FOR HUMAN GENOME STUDIES AND RESEARCH

About the Centre :

National Centre for Human Genome Studies and Research is relatively new education centre. The goal of this Centre is to provide the most advanced and comprehensive education possible related to human genome at the post graduate level. Research activities would be directed toward our 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

Particular	Name	Field of Research Specialization
Professor (Re-employed)	Tapas Mukhopadhyay	<i>Molecular Biology and Cancer Gene Therapy</i>
Assistant Professor	Ranvir Singh	<i>Protein Crystallography</i>
	Shashi Chaudhary (Chairperson)	<i>Genetics & Molecular Biology of Human Diseases</i>

Course Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.Sc. (Human Genomics)	15	2 years	(a) B.Sc. (Pass or Honours) under 10+2+3 pattern of examination in Physical, Chemical, Biological, Pharmaceutical Science or in medicine from any University/Institute recognized by P.U. with atleast 55% marks (b) Admission based on P.U. CET-(P.G.)

Ph.D.	Subject to availability	3-5 years	Candidates with M.Sc. in Genomics/Molecular Biology/Biochemistry/Life Sciences who have cleared the all India level test such as UGC/CSIR or ICMR etc. or the Ph.D. entrance examination in the subject of Genomics conducted by Panjab University are eligible to be enrolled for Ph.D.
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Titles of Syllabi :

SEMESTER-I

MHG 101 : Foundation Course	MHG 104 : Analytical techniques
MHG 102 : Immunology and Cell Biology	MHG 105 : Lab course-I
MHG 103 : Genetics and Cytogenetics	MHG 106 : Lab course-II

SEMESTER-II

MHG 201 : Biomolecular structure and Bioinformatics-I	MHG 204 : Genetic Engineering and Molecular Biology techniques
MHG 202 : Molecular Biology	MHG 205 : Lab course-I
MHG 203 : Human Molecular Genetics-I	MHG 206 : Lab course-II

SEMESTER-III

MHG 301 : Human Molecular Genetics-II	MHG 304 : Gene Regulation and Evolution
MHG 302 : Frontiers in Genomics and Proteomics	MHG 305 : Lab course-I
MHG 303 : Biomolecular Structure and Bioinformatics-II	MHG 306 : Lab course-II

SEMESTER-IV

MHG 401 : Advanced Course in Genomics	MHG 403 : Clinical Round & Viva
MHG 402 : Project Work and Presentation	MHG 404 : Educational Tour & Journal Club

Thrust Areas

Functional Genomics, Proteomics and Gene therapy.

DEPARTMENT OF PHYSICS

About the Department

The Department of Physics was established at Lahore in 1934, moved Delhi for some time and then to Govt. College, Hoshiarpur (Pb.) after partition. Subsequently the Department shifted to Chandigarh in 1958.

The Department 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 23 faculty members, 8 Re-employed Faculty, 2 Emeritus Professors, 2 Project Scientist, 37 Assisting staff, 5 daily wages staff. There are about 132 research students and about 399 B.Sc. (Hons. School), M.Sc. (Hons. School), B.Sc. (Physics & Electronics) and M.Sc. (Physics & Electronics) on the rolls of the Department. About 300 B.Sc. (Hons. School) students of other departments study Physics as a subsidiary subject.

The faculty members have been honoured with Meghnad Saha Award, Goyal Prize (Kurukshetra University), Sir C.V.Raman Award, Hari Om Trust Award, Mercator Professorship, Homi Bhaba Fellowship, Emeritus Scientistships, Ramanna Fellowship, S.N. Satya Murthi Young Scientist Award and DAE Young Scientist Award. 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, Third World Academy of Sciences Fellowships and UGC National Lecturer Fellowship awards. The Department had the honour of having Professor Yash Pal, former UGC Chairman of its faculty. Prof. K.N. Pathak, remains Vice-Chancellor, Panjab University, Chandigarh from July 2000 to July, 2006 and Prof. S. Parkash, Vice-Chancellor, Jivaji University, Gwalior from Feb., 2001 to Nov. 2006.

The Department is having research collaboration 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; 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, IUC, Kolkata; VECC, Kolkata; TIFR, Mumbai; N.S.C., 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 etc. The department has MOU with IUAC, New Delhi for joint faculty appointment and to various academic exchange programs to Accelerator based research.

Funds to the tune of Rs. 2.29 crores for infrastructure development have been sanctioned by the Department of Science and Technology under **FIST(2008-2013)** to upgrade teaching and research facility in Nuclear Laboratories of the Physics Department, Panjab University, Chandigarh. UGC sanctioned 97.50 lakh under CAS-IV Phase (2008-2013) (30+30+20 Lakh) grant received from UGC under Impowerment of Infrastructure facilities during (2007-2009) period.

The Department of Science & Technology has given technical approval for funding the proposal for establishing Panjab University Accelerator Science Centre (5 MV Tandem) at P.U. Chandigarh amounting to Rs. 67.5 crore.

Research Facilities

Facilities exist in the Department for research in Nuclear Physics, High Energy Physics, Photon-Atom Interaction Studies, Particle Physics, Solid State/Condensed Matter Physics, Mass Spectrometry, Laser Spectroscopy, Radiometric Dating and Theoretical Physics, leading to the Ph.D. degree for which at least three years of research work is required after the M.Sc. degree.

Moreover, the Department has started two new M.Sc. courses in Nuclear Medicine and Medical Physics jointly with Departments of Bio-physics and Nuclear Medicine and Radiation Therapy, Post Graduate Institute of Medical Education and Research, Chandigarh from the academic session 2007-08.

Major facilities available in the Department are as follows:

(i) Cyclotron, (ii) High energy Physics (Experimental set up) for studies connected with Collider Physics at CERN and Fermilab., (iii) Mass Spectrometer, (iv) Equipment for study of electrical properties of semi-conductors, fabrication of thin films, (v) Vacuum Grating Spectrograph; high power Nd. YAG laser etc. (vi) Several Nuclear Spectrometers incorporating detectors like Ge(Li), Na(Tl), BaF, Si(Li) etc. and

modern electronics, (vii) Analysis set up of Ultra relativistic heavy Ions in CERN, (viii) Computational facilities 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, (x) Facilities for PAC/PAD studies of Hyperfine Interactions, STM.

The Department houses IAPT office and actively leads in IAPT, IPA activities.

An 11 inch Telescope has been installed in the Department as a part of Teaching Program in Astrophysics.

Faculty

Particular	Name	Field of Research Specialization
Professors Emeritus	K.N. Pathak	<i>Condensed Matter Physics</i>
	Nirmal Singh	<i>Expt. Nuclear Physics</i>
Emeritus Scientists	Raj K. Gupta (D.S.T.)	
	Satya Prakash (UGC)	
Professors Re-employed	V.K. Jindal	<i>Theoretical/Expt. Condensed Matter</i>
	Suman B. Beri	<i>Expt. High Energy Physics</i>
	M.M. Gupta	<i>Theoretical High Energy Physics</i>
	M.M. Aggarwal	<i>Expt. High Energy Physics</i>
	Keya Dharamvir	<i>Theoretical/Expt. Condensed Matter</i>
	K.P. Singh	<i>Expt. Nuclear Physics</i>
	J.B. Singh	<i>Expt. High Energy Physics</i>
	A.K. Bhati	<i>Nuclear Condensed Matter Physics, Re. Heavy ion Collision</i>
Professors	V.P. Singh (Chairperson)	<i>Mass Spectrometry & Geochronology</i>
	C.S. Aulakh	<i>Theoretical High Energy Physics</i>
	Manjit Kaur	<i>Expt. High Energy Physics</i>
	Devinder Mehta	<i>Expt. Nuclear Physics</i>
	Navdeep Goyal	<i>Expt. Solid State Physics</i>
	Rajeev K. Puri	<i>Theoretical Nuclear Physics</i>
	G.S.S. Saini	<i>Expt. Spectroscopy</i>
	C. Nagaraja Kumar	<i>Theoretical Physics</i>
Associate Professors	K.S. Bindra	<i>Expt. Nuclear Physics</i>
	S.K. Tripathi	<i>Expt. Solid State Physics</i>
	Sandeep Sahijpal	<i>Astrophysics & Planetary Sciences</i>
	Ranjan Kumar	<i>Condensed Matter Physics</i>
Assistant Professors	J.S. Shahi	<i>Expt. Nuclear Physics</i>
	Vipin Bhatnagar	<i>Expt. High Energy Physics</i>
	Ashok Kumar	<i>Expt. Nuclear Physics</i>
	Sunita Srivastava	<i>Theoretical Physics</i>
	B.R. Behera	<i>Expt. Nuclear Physics</i>
	Kuldeep Kumar	<i>Theoretical High Energy Physics</i>
	Bimal Rai	<i>Geochronology</i>
	Manish Dev Sharma	<i>Electronics & Communication</i>
	Neeru Chaudhary	<i>Instrumentation</i>
	Samarjeet Sihotra	<i>Expt. Nuclear Physics</i>
	Rajesh Kumar	<i>Material Sciences</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc. (Hons. School) Physics	40+6 NRI	3 years	(i) 10+2 Non-Medical/Medical with 50% marks (45% marks in case of SC/ST) (ii) Common Entrance Test plus admissible weightages
B.Sc. (Hons. School) Physics & Electronics	20+3 NRI	3 years	Admission based on CET. Please also refer to Prospectus
M.Sc. (Hons. School) Physics	40+6 NRI	2 years	(i) All students after passing B.Sc. (H.S.) in Physics of P.U. (ii) B.Sc. (Pass or Hons.) examination with 50% marks (45% marks in case of SC/ST) P.U. or any other exam. Recognized as equivalent thereto with Physics and Maths as elective subjects and Admission based on P.U. CET-(P.G.) Conducted by P.U.
M.Sc. (Hons. School) Physics & Electronics	20+3 NRI	2 years	(i) All students after passing B.Sc. (H.S.) in Physics Electronics of P.U. (ii) Admission based on P.U. CET- (P.G.). Please also refer to the Prospectus B.Sc. (Pass or Hons.) examination with 50% marks (45% marks in case of SC/ST) or any other exam. Recognized as equivalent thereto with Physics and Maths as elective subjects or B.Sc. (Electronics).
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines.

Titles of Syllabi :

Regarding details of courses of study and their structure under annual/semester system, the syllabus published by the University/notified by the Department may be consulted.

Thrust Areas

Nuclear Physics (Expt.), Nuclear Physics (Theory), Particle Physics (Expt.), Particle Physics (Theory), Condensed Matter Physics (Expt.), Condensed Matter Physics (Theory).

DEPARTMENT OF STATISTICS**About the Department**

The Department of Statistics was established in 1964 as a part of Mathematics Department and since 1974 it has been an independent Department.

The Department offers M.Sc., M.Phil and Ph.D. Courses in Statistics. The courses are designed to develop a class of analytic and inferential aptitude among the students through rigorous practical assignments along with exposure to industries in the last semester.

The Department is also upgraded to Department of Special Assistance-II for a period of five years (1.4.2010 to 31.3.2015), and 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, Applied Statistics (Bio-Statistics and Econometrics). It is 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.

The Department has well equipped Computer lab and students are given training on Statistical packages like MINITAB, SPSS, SYSTAT, R, S-PLUS, STATGRAPHICS and SAS. To run the practicals and research work smoothly and without interruption Department has purchased 125 KVA silent DG SET. The Department is also involved in research with sister Departments and neighbouring institutes of National importance like PGIMER, GMCH, TTTI, IMTECH, and NIPER etc.

Eminent Statisticians from abroad and within country keep visiting the Department frequently for research collaboration. The faculty members are attending National and International conferences. Interaction with neighbouring industries in the field of process control and with institutes like PGIMER, GMCH, NIPER, IMTECH, etc. for providing consultation to medical doctors and researchers, is another highlight of the Department of Statistics.

The Department of Statistics has independent Library which has stock of more than 4000 books & access to more than 30 journals.

Faculty

Particular	Name	Field of Research Specialization
Professors	Kalpana K. Mahajan	<i>Statistical Inference, Applied Statistics, Income Inequality & Lorenz Dominance, Environmental Statistics.</i>
	Amar Nath Gill	<i>Multiple Comparison Procedures, Statistical Inference, Applied Statistics.</i>
	Kanchan K. Jain	<i>Reliability, Survival Analysis, Actuarial Statistics, Measurement Error Models, Bio-Statistics, Income Inequality</i>
	Sangeeta Chopra (Chairperson)	<i>Applied Statistics, Income Inequality & Lorenz Dominance, Environmental Statistics, Statistical Inference</i>
	Narinder Kumar Suresh K. Sharma	<i>Statistical Inference and Multiple Comparison Procedures Biostatistics, Statistical Modeling, Ranking and selection and related estimation problems, Statistical Inference, Applied Statistics, Measurement Error Models</i>
Assistant Professors	Manoj Kumar	<i>Linear Models, Econometrics</i>
	Anju Goyal	<i>Ranking and Selection Methodology, Multiple Comparison Procedures, Statistical Inference</i>

Programmer Harminster Singh Deosi *Statistical Programming, Patron recognition*

Courses Offered

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.Sc.	34+5NRI	2 Years (Semester System)	At least 50% marks in B.A./B.Sc. and atleast 45% marks in Stats/Maths during 3 years of B.A./B.Sc. programme
M.Phil.	10	1 year	See General Important Guidelines
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

Titles of Syllabi :**SEMESTER-I**

Course No.	Title	Course No.	Title
Stat-101	Linear Algebra	Stat-103	Statistical Methods with Packages (Theory 3/4, Practical 1/4)
Stat-102	Distribution Theory	Stat-104	Course selected from module

SEMESTER-II

Stat-201	Statistical Computing using FORTRAN (Theory 1/2 Practical 1/2)	Stat-203	Sampling Theory and Official Statistics (Theory 3/4, Practical 1/4)
Stat-202	Estimation and Testing of Hypotheses (Theory 3/4, Practical 1/4)	Stat-204	Course selected from module

SEMESTER-III

Stat-301	Nonparametric Inference (Theory 3/4, Practical 1/4)	Stat-303	Linear Inference (Theory 3/4, Practical 1/4)
Stat-302	Statistical Process and Quality Control (Theory 3/4, Practical 1/4)	Stat-304	Course selected from module

SEMESTER-IV

Stat-401	Multivariate Analysis (Theory 3/4, Practical 1/4)	Stat-403	Course selected from module
Stat-402	Design and Analysis of Experiments (Theory 3/4, Practical 1/4)	Stat-404	Course selected from module

MODULE

M 1	Actuarial Statistics	M 8	Real and Complex Analysis
M 2	Categorical Data Analysis	M 9	Reliability
M 3	Econometrics	M 10	Simultaneous Inference
M 4	Economic Statistics	M 11	Statistical Simulation and Computation
M 5	Advanced Inference	M 12	Stochastic Processes
M 6	Measure and Probability Theory	M 13	Survival Analysis
M 7	Operations Research		

ANY OTHER COURSE WHICH THE BOARD OF CONTROL MAY DECIDE TO OFFER**Thrust Areas**

The identified thrust areas of the Department include, Multiple Comparison Procedures, Reliability and Survival Analysis, Statistical Inference, Applied Statistics (Bio-Statistics and Econometrics).

The Department has made significant achievements in research in these areas as is evident from the research publications in reputed International/National Journals.

CENTRE FOR MEDICAL PHYSICS**About the Centre**

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 also 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. 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 a teacher after qualifying this course.

As this is a specialized branch of medicine and is multidisciplinary in nature, so it requires skilled/trained manpower.

Faculty

Particular	Name	Field of Research Specialization
Professor	D. K. Dhawan (Coordinator)	<i>Radiation Biophysics/Medical Physics and Radiation Medicine</i>
Assistant Professor	Vivek Kumar	<i>Experimental Nuclear Physics</i>

Course Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.Sc.	General 8 +2NRI	The M.Sc. Medical Physics shall be of three years duration which includes one year internship programme in the final year of the course. The students shall undergo one year internship in the Radiation Therapy Department of PGIMER (Chandigarh) and the dissertation on project work after its completion shall be submitted in the final year of the course.	Criteria for Admission to M.Sc. Course in Medical Physics will be B.Sc. degree with first division having Physics as one of the core subjects from a recognized University. Admission will be made on the basis of P.U. CET-(P.G)-2014. The entrance test paper will be the same as that for the admission to M.Sc. (H.S.) in physics. While deciding the final merit of the entrance test, a weightage shall be given to the B.Sc. marks obtained by the candidate, as per university rules.

Titles of Syllabi : (Detailed syllabi available online at <http://www.pu.ac.in>) M.Sc. Medical Physics

DEPARTMENT OF MICROBIAL BIOTECHNOLOGY

About the Department

Keeping in view the enormous importance of microbes in the field of Biotechnology, a Centre for Microbial Biotechnology (CMBT) was created in July, 2008 under the aegis of Institute for Emerging Areas in Science and Technology. The Centre is located in CIL building of P.U., Chandigarh. Currently, CMBT is running M.Sc. and Ph.D. Programmes. The course work has been designed keeping in mind the requirements of (i) top research institutes in the areas of microbiology and biotechnology (ii) industry and (iii) entrepreneurship. The syllabus has been designed with active inputs from scientists (microbiologist & biotechnologist) of international repute and Biotech industries. The M.Sc. Course comprises of four semesters. First three semesters are dedicated to theory and practicals. The fourth semester comprises of a research project and seminars. For details please consult P.U. website (www.puchd.ac.in). The faculty has collaborations with other institutes and have been awarded patents. This course also envisages to have international collaborations in the area of teaching and research and organize a national/international conference/seminar/symposium/workshop every year so as to expose the students to the latest developments in the field of Microbial Biotechnology. The students are encouraged to participate in Biotechnology related activities. CMBT students and staff publishes every year a highly popular magazine, "MICROBUZZZ". The course received tremendous response from the students which can be gauged from the fact that all the seats are filled in the first counseling.

Faculty

Particular	Name	Field of Research Specialization
Professor	Rupinder Tewari (Coordinator)	
Assistant Professor	Rohit Sharma	
Assistant Professors (Contract Basis)	Vishal Agarwal	
Inspire Faculty award	Swapna Thomas	
	Dr. Rachna Singh	

Course Offered

COURSE	NO. OF SEATS	DURATION
M.Sc.	20+2 NRI	2 years

Eligibility Conditions

1. Any person who has done Bachelors degree in any field of biological sciences including Biotechnology is eligible to appear in the Entrance Exam.
2. Admission to M.Sc. Ist Microbial Biotechnology shall be through P.U. CET–(P.G.) conducted by Panjab University. The Question paper should comprise of at least 50% portion belonging to Basic Microbiology and rest from other fields of Biological Sciences including Biotechnology.

Mode of admission

Admission based on P.U. CET-(P.G.) (50%) + Total aggregate of marks obtained at B.Sc./B.Tech/ B.E. level (50%).

Scheme of test

The question paper will be based on the fundamentals of Microbiology and Biotechnology taught at undergraduate level. It will consist of 75 Objective type questions (Multiple Choice with four responses i.e. A,B,C and D) carrying a total of 75 marks. The question paper will be of 1 hour and 30 minutes duration.

Criteria for admission to Ph.D.

- (i) Clearance of UGC-CSIR, ICMR, ICAR, GATE of any other exam of national level.
- (ii) Clearance of Ph.D. entrance test conducted by the Panjab University, Chandigarh.

Thrust areas

- (a) Extremozymes (b) Antimicrobials (c) Biofertilizers

CENTRE FOR NANO-SCIENCE & NANO-TECHNOLOGY (U.I.E.A.S.T.)

About the Centre

The research oriented M.Tech. programme in Nano-Science & Nano-Technology was started in 2005 in the University Centre for Instrumentation Micro-electronics (UCIM). Being the first course of its kind in northern part of the country, it was a challenging job to have undertaken. In 2008 the course was placed under the newly formed Centre for Emerging Areas in Science & Technology (CEAST). Currently it is run by Centre for Nanoscience & Nano-technology, under University Institute for Emerging Areas in Science and Technology and is hosted in Department of Physics of Panjab University.

The course is of 2 years duration and interdisciplinary in nature and encompassing the areas of Chemistry, Physics, Biology and Engineering. It comprises of conceptual knowledge of nanoscience and nanotechnology, including preparation of nanomaterials, their characterisation and applications. Hands-on training is provided to the students at Sophisticated Analytical Instrumentation Facility (SAIF), formerly known as Research Sophisticated Instrumentation Centre (RSIC), Panjab University, Chandigarh. on the various instruments relevant to nanotechnology (Mass Spectrometry, Electron Microscope (SEM, TEM, STM), FT NMR Spectrometer (400 MHz), FTIR/IR Spectrophotometer, UV-VIS-NIR Spectrophotometer, X-Ray Diffractometer (Powder Method), HPLC, Fluorescence Spectrophotometer). The final year students do their projects in collaboration with industry and reputed laboratories and Institutions. The passing out students have found excellent employment/research positions.

The centre has close linkage with national scientific institutions in the country like NPL Delhi, IIT Ropar, CSIO Chandigarh, CSIR Delhi, NIPER Mohali and IHBTP Palampur, etc. There have been regular interactions with the faculty from these organisations through visits and guest lecture.

Faculty

Particular	Name	Field of Research Specialization
Professor	V.P. Singh (Coordinator)	<i>Mass Spectrometry & Geochromology</i>
Co-coordinator	Gaurav Verma	<i>Materials, polymer nanocomposite coatings</i>
Assistant Professors	Navneet Kaur	<i>Development of novel nanomaterials for applications in the area of chemosensors/biosensors and their therapeutic Implications.</i>
	Nishima (Temporary appointment and INSPIRE Faculty)	<i>Design and synthesis of metallic and semiconducting nanoparticles, peptide chemistry, immunodiagnostic applications of nanomaterials</i>
	Richa Rastogi Thakur (Temporary appointment)	<i>Nano materials based biosensors for healthcare applications</i>
	Savita Chaudhary (INSPIRE Faculty)	<i>Micelles and microemulsions, physical and nono-chemistry</i>
	Praveen Kumar (INSPIRE Faculty)	
Adjunct Faculty	S.K. Tripathi, Dept. of Physics Sunita Srivastava, Dept. of Physics Sukesh Chander, Dept. of Biochemistry O.P. Katare, University Institute of Pharmaceutical Science Alok Srivastava, Dept. of Chemistry Sonal Singhal, Dept. of Chemistry	

Course Offered

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.Tech. (Nano-Science and Nano-Technology)	10+3 (SC/ST) +2 NRI	2 years (Semester System)	Bachelor's degree (4-years after 10+2) in Engineering/Technology, i.e. B.E./B.Tech. (in any branch) Master's degree in Physics/Chemistry/Bio-physics/Bio-chemistry/Microbiology/Biotechnology/Nano Science/Electronics with minimum 50% marks in the aggregate.

Titles of syllabi

SEMESTER-I

Quantum and Statistical mechanics	Synthesis and Characterization of Nano-materials
Principles of Biology and Biotechnology	Scientific Computation and Simulation
Elements of Physical Chemistry	

SEMESTER-II

Chemistry of Nanomaterials and Fabrication	Semiconductor Devices, MEMS and NEMS
Nano-biotechnology	Carbon Nanotube, its Functionalization and nanofluidics
Physics of Nanomaterials	

SEMESTER-III

Supramolecular and Surface Chemistry Nanocomposites : Structure Properties & Performance

SEMESTER-IV

Project

Thrust Areas

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 the medical speciality 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. 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. Most of the radionuclides used for diagnostic studies emit gamma rays, while the cell-damaging properties of beta particles are used in therapeutic applications. Radionuclides

used in nuclear medicine are derived either from nuclear reactors which produce radioisotopes with longer half-lives, or from cyclotrons/generators which produce radioisotopes with shorter half-lives.

Radioisotopes/Radiopharmaceuticals have affinities for specific organs, bones, or tissues and emit gamma rays that can be detected externally by scintillation cameras. Images are created by computers and provide data and information about the areas of the body being viewed.

Nuclear medicine imaging techniques combine the use of radioactive substances, detectors, and computers to provide functional images inside the human body by using advanced techniques like Positron Emission Tomography (PET) and Single Photon Emission Computed Tomography (SPECT). Nuclear medicine imaging is used for detecting tumors, irregular or inadequate blood flow to various tissues, blood cell disorders and inadequate functioning of organs. During diagnostic procedures, the patient experiences little or no discomfort and the radiation dose delivered is very small.

Nuclear medicine technical experts 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 that data for research purposes. The discipline of nuclear medicine produces Nuclear Medicine physicists as well as dedicated scientists who develop radiopharmaceuticals/ radioisotope for the imaging / therapies of organs.

Faculty

Particular	Name	Field of Research Specialization
Professor	D.K. Dhawan (Coordinator)	<i>Radiation Physics instrumentation and Radiotracer techniques</i>
Assistant Professor	Vijayata D.Chadha	<i>Radiation biology and Radiopharmacy</i>

Course Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.Sc	8+2NRI	2 years	Minimum Qualification for admission to M.Sc Ist Year in Nuclear Medicine will be B.Sc. from a recognized university with Physics and Chemistry (non-medical stream) or Chemistry and Biology (Medical stream) as core subjects. Candidates having B.Sc. in Nuclear Medicine/Biophysics shall also be eligible for admission to the course.

Admission to M.Sc Course in Nuclear Medicine will be through Entrance Test to be conducted by the Panjab University. The candidates should have passed the graduation (B.Sc.) from a recognized university/institute with at least 50% marks, while deciding the final merit of the entrance test, a weightage shall also be given to the B.Sc. marks obtained by the candidate, as per the university rules. The cut off percentage marks secured in the entrance test will also be as per the University rules.

Titles of Syllabi

M.Sc.

1st Semester : Paper-(i) Radiation Physics, (ii) Applied Mathematics, Biostatistics & Computer Applications, (iii) Fundamental Anatomy (iv) Radiation Biology

2nd Semester : Paper- (i) Molecular Physiology & Cancer Biology (ii) Fundamentals of Electronics and Biomedical Instrumentation (iii) Radiation Detection and Measurement (iv) Radioisotope Applications and Radiation Safety

3rd Semester : Paper (i) Nuclear Medicine imaging and Counting Instrumentation (ii) Principles and Practice of Radiological protection (iii) Principles and practice of Radio pharmacy and Radionuclide generators (iv) Nuclear Medicine Imaging and In-vivo Counting

4th Semester : Paper-(i) PET Cyclotron and Allied Instrumentation (ii) Radiation Dosimetry, Radiobiology and Hospital Practice (iii) SPECT and PET Radiopharmaceuticals (iv) PET Imaging, Radionuclide Therapy and in-vitro Techniques.

Thrust Areas

Imaging with positron Emitting Radionuclides; Targeted Radionuclide therapy; Radiopharmacy

CENTRE FOR PUBLIC HEALTH

About the Centre

Panjab University is running a Master Program in Public Health since the 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 in the present context of viewing health of the citizen being the 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 population based preventive programmes. Health service delivery systems are undergoing rapid changes. With issues such as AIDS, population explosion, natural and man-made disasters, pandemics like SARS, bird flu etc. Challenging public healthcare; it has become very urgent to prepare a task force of experts in dealing with the domain of public health in the world in general and India in particular. In our country, where lack of basic awareness about health care can lead to making a large section of our human resource as a liability instead of an asset, the need for specialized programmes in Public Health cannot be more emphasized.

Faculty

Particular	Name	Field of Research Specialization
Professor	V.L. Sharma (Coordinator)	<i>Genetics</i>
Assistant Professor	Manoj Kumar	<i>Environment and Occupational Health</i>

Course Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
Master in Public Health	17+5 in-service* +2 NRI * Only regular employees in Government organization and having atleast one year service experience be admitted under, "In-service" category. The candidate has to produce "No Objection Certificate" at the time of admission. In case of non-availability of in-service candidates the seats will be converted into general category.	2 year (4 Semester)	Eligibility : Bachelor's degree in any discipline with at least 50% marks from recognized University/Institute. Admission : Admission will be made on the basis of merit drawn in P.U. CET-(P.G.) (50%) + Total aggregate of marks obtained at graduation level (50%).

Title of Syllabi :

SEMESTER-I			
Code	Subject	Code	Subject
MPH-101	Basic Concepts in Public Health		Open Elective –
MPH-102	Basic Epidemiology-I	MPH-105	Occupational Health and Safety Management
MPH-103	Maternal and Child Health/Reproductive Health and Family Planning	MPH-106	Basic Concepts in Life Sciences
MPH-104	Basic Computing and Research Methodology		OR Basic Concepts in Social Sciences
SEMESTER-II			
MPH-201	Biostatistics		Open Elective –
MPH-202	Environmental Health	MPH-205	Genetics and Public Health
MPH-203	Survey Methods		OR
MPH-204	Public Health in Emergencies, Disasters and Conflicts		Global Health
SEMESTER-III			
MPH-301	Basic Epidemiology-II	MPH-304	Elective Health for Special Groups/Populations OR
MPH-302	Health Services Planning and Management/Health Economics		Public Health in India and World
MPH-303	Medical Bioinformatics and Computational Sciences		Internship Dissertation
SEMESTER-IV			
MPH-401	Public Health Law, Ethics and Human Rights	MPH-402	Health Education and Counselling
		MPH-403	Dissertation

Thrust Areas

Health service administration, health statistics, epidemiology, health education, environmental health, nutrition, biomedicine, health educators, medical anthropology, Health insurance, Local/State/ Govt/NGOs.

CENTRE FOR STEM CELL & TISSUE ENGINEERING

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, epigenesis 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 semester 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. The centre is located at Pharmacy Extn Block 2nd floor, Sector-14, Panjab University, Chandigarh.

Faculty

Particular	Name	Field of Research Specialization
Professor	Sanjeev Puri (Coordinator)	<i>Cell & Molecular Signaling/Tissue regeneration</i>
Assistant Professor	Seemha Rai	<i>Biotechnology</i>

Adjunct/Guest/Adhoc Faculty

Professors	V.L. Sharma	<i>Zoology Department</i>
	Abha Seth	<i>Dr. Harvansh Singh Judge Institute of Dental College and Hospital, Panjab University, Chandigarh</i>
	S.K. Sharma	<i>Deptt. of Statistics, Panjab University, Chandigarh</i>
	Parikshit Bansal	<i>NIPER, Mohali</i>
	Anju Gupta	<i>Stem Cell & Tissue Engg.</i>
	Nidhi Mahajan	<i>Stem Cell & Tissue Engg.</i>
	Nidhi Anil	<i>Stem Cell & Tissue Engg.</i>
	Harish Kumar	<i>UIET</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.Sc.	15	2 years (4 Semesters)	Students who have passed B.Sc. Medical Sciences/ Life Sciences/Basic Medical Science with 50% marks are eligible to apply. Admission will be based on Departmental Entrance Test. The test will consist of 100 multiple choice questions covering syllabus of B.Sc. Medical/Life Sciences/Basic Medical Sciences Venue for the test Lecture theatre-1 Centre for Stem Cell & Tissue Engg. Pharmacy Extn Block 2nd floor, Sector-14, Panjab University, Chandigarh

CENTRE FOR SYSTEM BIOLOGY & BIOINFORMATICS

About the Centre

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 modeling 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 System 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 three students are pursuing their Ph.Ds. in the areas of (i) Age related macular degeneration (AMD), (ii) Biofilms, (iii) Neuro peptides in kidney cancer

Faculty

Particular	Name	Field of Research Specialization
Professor	Suresh K. Sharma (Coordinator)	<i>Statistical Modeling, Biostatistics, rankings and selection, Medical Statistics.</i>
Assistant Professor	Ashok Kumar	<i>Cancer Biology and Genomics.</i>
Professors	Tammanna R. Sahrawat	<i>Conformational studies of peptides using ab-initio quantum mechanics based approaches; Homology modeling, functional characterization of proteins; Sequence based phylogenetic clustering and structure prediction; Toxicology.</i>
	Veena Puri	<i>Neuronal Cell biology, Proteomics and Microarray data analysis.</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.Sc.	13+2(NRI)	2 years (Semester System)	Bachelor's of 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 with at least 50% Marks (45% for candidate belonging to SC/ST category).
Ph.D.	Subject to availability	5 years	As per University rules Enrolment in Ph.D. is on the basis of an Entrance Test conducted by Panjab University/CSIR/UGC/ICMR/GATE or any other equivalent test.

Titles of Syllabi

SEMESTER I

Paper Code	Title	Paper Code	Title
MSBB 101	Biophysical Chemistry of Biomacromolecules	MSBB 105	Biostatistics
MSBB 102	Metabolomics and Metabolic Pathway Engineering	MSBB 106	Data Management and Biological Databases
MSBB 103	Basic Concepts in Mathematics (For students with Biology Background)	Practical 110	Based on MSBB 101
		Practical 120	Based on MSBB 102
		Practical 150	Based on MSBB 105
MSBB 104	Basic Concepts in Biology (For students with Non-Biology Background)	Practical 160	Based on MSBB 106

SEMESTER II

MSBB 201	Spectroscopic Methods in Structural Biology	MSBB 204	Programming in C++ and PERL
		Practical 210	Based on MSBB 201
MSBB 202	Genomics and recombinant DNA technology	Practical 220	Based on MSBB 202
		Practical 230	Based on MSBB 203
MSBB 203	Computational Methods of Sequence Analysis and Biomolecular informatics	Practical 240	Based on MSBB 204
		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

SEMESTER III

Paper Code	Title	Paper Code	Title
MSBB 301	Computation Cell Biology I	Practical 310	Based on MSBB 301
MSBB 302	System Biology	Practical 320	Based on MSBB 302
MSBB 303	Proteomics and System Biology	Practical 330	Based on MSBB 303
MSBB 304	Molecular Modeling and Computer aided Drug Design	Practical 340	Based on MSBB 304
		Seminar	On (i) (a) AMBER & Molecular (b) E-cell (c) Py Bio-S (d) System Biology Benchworks (ii) Journal Club

SEMESTER IV

MSBB 401	Computation Cell Biology II	MSBB 403	Advance Bioinformatics and Nanotechnology
MSBB 402	Chemoinformatics		Project Work and Oral Presentation

Ph.D. Syllabus

Paper-I : Research Methodology and Biostatistics

UNIT-I

1. Experimental Animal/Human Model in Research
2. Ethics in Scientific Research
3. Good Laboratory Practices
4. Scientific Writing :
 - (a) Research Paper
 - (b) Project Proposal
 - (c) Synopsis/Thesis
5. Intellectual Property Rights and Patents

UNIT-II

1. Biostatistics :
 - (a) Measurement Scales
 - (b) Graphical Representation of Data
 - (c) Measures of Central Tendency and Dispersion
 - (d) Concepts of Probability (Bayes Theorem)
 - (e) Random Variables–Probability Mass Function, Probability Distribution Function and Commutative Distribution Function
2. Distributions :
 - (a) Bernoulli Trials, Binomial, Poisson and Normal Distributions
 - (b) Correlation and Regression Analysis : Simple and Multiple (using SPSS only)
 - (c) Testing of Hypothesis : One Sample and Two Sample Problems, One-way, Two-way ANOVA Chi-square Test

Paper-II : Systems Biology & Applied Bioinformatics

UNIT-I

1. Macromolecules
 - (a) Proteins–Structure, Conformational Analysis
 - (b) Nucleic Acid–DNA Structures, Conformational Analysis
 - (c) Introduction to Protein and Nucleic Acid Database
2. Macro-molecular Modeling

UNIT-II

1. Data Mining
 - (a) MS Data Analysis
 - (b) Microarray Data Analysis
 - (c) Sequence Analysis
- (d) Statistical Approach for High Throughput Analysis
- (e) Review of Computer Aided Drug Design Methods

Paper-III : Presentation of Two Latest Articles/Research papers by students

Thrust Areas

- (i) Statical Modeling and Biostatistics
- (ii) Cancer Biology and Genomics
- (iii) Conformational Studies and Sysbiomic
- (iv) Microarray data analysis

DEPARTMENT OF ZOOLOGY

About the Department

Department of Zoology was established at Lahore in 1902 and later on shifted first to Hoshiarpur after the partition of country and then to Chandigarh in July 1960. 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 adopted by U.G.C under its Special Assistance Programme in 1985 in 5 thrust areas namely Cell & Animal Physiology, Aquatic Biology, Cytogenetics, Entomology and Parasitology and COSIST Programme in 1995. The department was upgraded to the level of Centre of Advanced Studies (CAS) from April 2007 to April 2012 under the thrust area of Biodiversity: Cell and Molecular Biology with a grant of Rs. 78.25 lakhs. The Department has now been selected for the DST-FIST program for the next 5 years i.e. 2013-2018 with a sanctioned grant of Rs. 1.10 cr.

The Department is running research projects funded by different agencies like DST, UGC, CSIR, ICMR etc. The department has a central laboratory well equipped with sophisticated scientific instruments and audio-visual aids.

The Department has a computer room for students to avail the facilities of internet, typing and printing. The Department library is stocked with highly informative text and reference books in addition to national and international journals. The Department museum has represented national and regional collection of animals. 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. (H.S.) final year students in order to acquaint them with marine life.

The department also has an Alumni Association and a Zoological Society. The faculty and students are members of the society which caters to academic and extra-curricular needs of its members.

Faculty

Particulars	Name	Field of Research Specialization
UGC Emeritus Fellow	M. S. Johal	<i>Fish and Fisheries</i>
Professors (Re-employed)	Neelima R Kumar	<i>Entomology</i>
	R. Jindal	<i>Aquatic Biology</i>
Professors	V.L. Sharma (Chairperson)	<i>Cytogenetics</i>
	Sukhbir Kaur	<i>Parasitology</i>
	V. K. Walia	<i>Entomology</i>
Associate Professor	Upma Bagai	<i>Parasitology</i>
Assistant Professor	Y.K. Rawal	<i>Fish and Fisheries</i>

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.Sc. (H.S)	25+4NRI	3 years	Common Entrance Test + admissible weightage
M. Sc. (H.S.)	14+2NRI	2 years	(a) B.Sc. (Pass or Hons.) with 50% marks (45% marks in case of SC/ST) in the examination of the P.U. or any other examination recognized by P.U. as equivalent thereto with Zoology as one of the elective subject. (b) O-CET + admissible weightage.
M. Phil.	10	1 year	See General Important Guidelines
Ph.D.	Subject to availability	3-5 years	See General Important Guidelines

Titles of syllabi**B.Sc. (H.S.)****SEMESTER-I**

Paper-I Preliminary - English	Paper-IV Zoology- I -(Biodiversity : Invertebrates-I)
Paper-II Subsidiary-I - Chemistry/Bio-Chemistry	Paper-V Zoology-II- (Biodiversity : Chordates-I)
Paper-III Subsidiary-II- Botany	

SEMESTER-II

Paper-I Preliminary - English	Paper-IV Zoology-III- (Biodiversity : Invertebrates -II)
Paper-II Subsidiary-I - Chemistry/Bio-Chemistry	Paper-V Zoology-IV - (Biodiversity : Chordates-II)
Paper-III Subsidiary-II - Botany	

SEMESTER-III

Paper-I Bio-Chemistry	Paper-IV Zoology -VI- Functional of Anatomy of Non-Chordates-II- (Helminths)
Paper-II Botany	Paper-V Zoology - VII - Functional Anatomy of Non-Chordates-III (Arthropoda-I)
Paper-III Zoology- V -Functional Anatomy of Non-Chordates-I (Protozoa, Porifera, and Coelenterata)	

SEMESTER-IV

Paper-I Bio-Chemistry	Paper-IV Zoology-IX- Functional Anatomy of Non-Chordates-V- (Annelida and Minor phyla)
Paper-II Botany	Paper-V Zoology-X - Functional Anatomy of Non-Chordates-VI (Mollusca and Echinodermata)
Paper-III Zoology-VIII - Functional Anatomy of Non-Chordates-IV (Arthropoda-II)	

SEMESTER-V

Paper-I Zoology - XI - General account of Vertebrates - I	Paper-III Zoology - XIII - Cell Biology
Paper-II Zoology-XII - Comparative anatomy of Vertebrates -I and Zoogeography	Paper-IV Zoology - XIV - Animal Physiology
	Paper-V Zoology - XV - Taxonomy, Ecology and Palaeontology-I

SEMESTER-VI

Paper-I	Zoology -XVI - General account of Vertebrates – II	Paper-IV	Zoology-XIX - Embryology and Endocrinology
Paper-II	Zoology-XVII - Comparative anatomy of Vertebrates-II and Wildlife	Paper-V	Zoology-XX - Taxonomy, Ecology and Palaeontology-II
Paper-III	Zoology-XVIII - Cytogenetics		

M.Sc. (H.S.)

SEMESTER-I

Paper-I	Comparative Animal Physiology & Endocrinology	Paper-III	Biology of Parasites
Paper-II	Cytogenetics & Cell Biology	Paper-IV	Insects Ecology & Insect Physiology
		Paper-V	Aquaculture & Fisheries

SEMESTER-II

Paper-VI	Methodology & Instrumentation	Paper-IX	Development Biology
Paper-VII	Molecular Biology	Paper-X	Environmental & Quantitative Biology
Paper-VIII	Biology of Vertebrate Immune System		

SEMESTER-III

Paper-XI Animal Bio-Chemistry

SEMESTER-IV

Paper-XII (Any one of these)

- | | | | |
|------|-----------------------|-------|-----------------------------------|
| (i) | Limnology & Fisheries | (iii) | Concept in Parasitology |
| (ii) | Entomology | (iv) | Genetics & Molecular Cytogenetics |

Thrust Areas

Aquatic Biology, Cell & Molecular Biology, Entomology and Parasitology.

XI. MULTI-FACULTY DEPARTMENTS

Department of Evening Studies-Multi Disciplinary Research Centre

About the Department

The department of Evening Studies-Multi Disciplinary Research Centre, which started as the Panjab University Evening college in 1961, provides a unique opportunity of learning through interactive teaching to the in service young men and women, who, due to various compelling reasons, have to cut short their academic career and start earning. It is a socially useful institution to enable them to enhance their career prospects.

Faculty

Particulars	Name	Field of Research Specialization
Professors Re-employed	Indu Tewari	<i>Modern Indian History</i>
	V.K. Mahajan	<i>Agricultural Economics</i>
	Vijay K. Chopra	<i>Modern War Fiction</i>
	N.K. Sehgal	<i>Management Accounts & Management</i>
	Vijay Kataria	<i>Indian Political Thought</i>
	M.S. Bajwa	<i>Medieval Literature</i>
Professors	Keshav Malhotra (Chairperson)	<i>Banking and Finance</i>
	Sudhir Kumar	<i>New Literatures, Indian Literature in English</i>
	Gurpal Singh	<i>Criticism</i>
	Harsukhjot Kaur	<i>Indian Political System & Women Studies</i>
	S.S. Gill	<i>American Novel</i>
	Mahesh Sharma	<i>History of Religion</i>
	Ishwar D. Gaur	<i>Punjab History & Culture</i>
	Gauri Sharma	<i>Medieval Indian History</i>
	Mohammed Khalid	<i>Geopolitics, Intl. Relations, Indian Ocean</i>
	Associate Professors	Archana
Bhupinder Kaur		<i>Modern Punjabi & Poetry</i>
Neeraj Jain		<i>Fiction</i>
Vandna Maini		<i>Human Behaviour in an Organization, Law</i>
Rehana Parveen		<i>Taz-o-Mazah Nigar of Shafiq-ur-Rehman</i>
Neeraj Sharma		<i>Pub. Finance, Indian Economics & Micro</i>
Suman Makkar		<i>Micro, Macro Economics & International Economics</i>
G. C. Chauhan		<i>Social & Economic History of Ancient India</i>
Chander Mohan		<i>Fiction</i>
Gupreet Kaur		<i>Punjabi Culture & Folklore</i>
Assistant Professors	Keerti Vardhan	<i>Combinatorial Topology</i>
	Amandeep Kaur	<i>American Poetry, British Literature, Dalit</i>
	Amandeep Singh Kusum	<i>Autobiography</i>

Courses Offered :

COURSE	SEATS	DURATION
Undergraduate B.A. Courses	B.A. I 342 B.A. II 342 B.A. III 300	Three Year Degree Course

ELIGIBILITY/ADMISSION CRITERIA

A person who has passed one of the following examination shall be eligible to join the first year class of the B.A.(General) Degree Course:

1. B.A./B.Sc./B.Com. Part I (Old Scheme) Pre-Medical/Pre-Engg./Intermediate/Arts/Science/Agriculture Examination of Panjab University.
2. The +2 examination of a recognized University/Board/Council, provided he/she has secured 33% marks;
3. Any other examination recognized by the university as equivalent to (1) and (2) above;
4. The Syndicate vide Para 41 of its meeting held on 26.7.2003 has decided that if the candidates placed under compartment in +2, cleared their examination by appearing in the Supplementary examination of the board before the last date of admission for any course (The courses M.B.B.S., B.A.M.S., BHMS, B.E., B. Arch, B.B.A & B.C.A. are not covered in the forgoing decision) they should be considered for admission to the next higher class provided they were eligible.

Candidates placed in compartment in one subject only at the +2 Examination by a recognized Board/Body/Council/University in India, will be allowed to take admission to the 1st year of B.A. class subject to the following:

In case the candidate is seeking admission to the B.A. First year class, he/she should have obtained at least 33% marks in the aggregate of all the subjects (including at least 20% in the subject of Compartment, Theory and Practical/s taken together) taken up by him/her at the +2 examination.

5. All candidates seeking admission in the Department are required to submit their application forms duly filled in, attested and supported by photocopy of all relevant documents. Incomplete Application Forms will not be accepted in any case. Further, they have to submit the original documents at the time of Interview.

6. In addition to conditions laid down at point (5) above, candidates from the other Boards/Universities are required to submit eligibility Certificate issued from Registration Branch of the Panjab University, Chandigarh, along with the application form.

Admission will be made online (only for B.Com.) w.e.f. session 2013-14 as approved by the senate vide Para LXXXVII dated 22.12.2012.

Titles of Syllabi: (Detailed Syllabi already exists on the P.U. Website)

DETAIL OF OPEN AND RESERVED CANDIDATES FOR ADMISSION TO VARIOUS
CLASSES DURING SESSION 2013-2014

Class	Seats	Open	S.C	S.T	BC	PH	Sports	Son/Daughter/ wife of Military personnel	Terrorist Victims	Children/ Grand Child- ren of Freedom Fighters
		55.50%	15%	7.50%	5%	3%	5%	5%	2%	2%
B.A.I	342	190	51	26	17	10	17	17	7	7
B.Com.I	70	39	10	5	4	2	4	4	1	1
M.A.I. (English)	91	51	14	6	5	3	5	5	2	2
M.A.I. (History)	68	40	10	5	3	2	3	3	1	1
M.A.I. (Political Science)	91	51	14	6	5	3	5	5	2	2
M.A.I (Economics)	68	40	10	5	3	2	3	3	1	1
M.A.I (Punjabi)	68	40	10	5	3	2	3	3	1	1

Important Note :

A student of B.A. Part II and III shall offer the same subject as had been offered by him/her in B.A.I in this department.

B.A. Part II (Under 10+2+3 Scheme)

A person who has passed one of the following examinations shall be eligible to join the second year class of B.A. (General) Course :-

- (i) B.A. First year (General) examination of the Panjab University under 10+2+3 scheme.
- (ii) B.A. First year examination under 10+2+3 scheme from any other university in India recognized by the Panjab University as equivalent to its B.A. Part I examination, subject, however, to the condition that the subjects he/she has studied in B.A. I are the same as offered by this University. In case of any deficiency he/she shall have to pass the deficient subject in the following September and April Examinations. The total number of credits shall, however, remain the same. If such a student fails to pass the deficient subject in the following September and April examinations, his/her result for B.A. II examination shall stand cancelled

Note : The marks obtained in B.A. first year examination shall be counted towards his/her division by increasing or decreasing the maximum marks in accordance with the maximum marks prescribed by Panjab University.

B.A. Part III (Under 10+2+3 Scheme)

A person who has passed one of the following examinations shall be eligible to join the Third Year Class of B.A. (General) Course :-

- (i) B.A. Second Year (General) examination of Panjab University under 10+2+3 scheme.
- (ii) B.A. Second Year examination under 10+2+3 scheme from any other university in India recognized by Panjab University as equivalent to its B.A. Part II examination, subject, however, to the condition that the subjects he/she has studied in B.A.I and B.A.II were the same as offered by this University. In case of any deficiency he/she shall have to pass the deficient subject in the following September and April Examinations. The total number of credits shall, however, remain the same. If such a student fails to pass the deficient subject in the following September and April examinations, his/her result for B.A.III examination shall stand cancelled.

Note: The marks obtained in B.A. first year and second year examination shall be counted towards his/her division by increasing or decreasing the maximum marks in accordance with the maximum marks prescribed by Panjab University.

COMBINATION OF SUBJECTS

Compulsory subjects (for B.A.I)

1. Punjabi Or History and Culture of Punjab*
2. English
3. Environment and road safety education
4. Anyone subject from each group i.e. Group A,B & C (200x3)

Group A	Group B	Group C
Political Science	Sociology	Economics
Public Administration	Sanskrit	English Elective
Police Administration	History	Urdu Elective
	Mathematics	Punjabi Elective
		Hindi Elective

The Syndicate at its meeting held on 22.2.2006 (Para 34) decided that the combination of the subjects/options offered by the Department of Evening Studies-MDRC may be reviewed on year to year basis after getting the approvals of the Dean of University Instructions and the Vice-Chancellor.

- *(i) The following categories of students shall also be entitled to take the option of History and culture of Punjab in lieu of Punjabi as compulsory Subject:
- (a) Students who are not domiciled in Punjab and have not studied Punjabi upto 10th class.
 - (b) Ward of/and Defence Personnel and Central Government employees/employees who are transferr able on all India basis.
- (ii) Optional papers in B.A./B.Com. shall not offered if a minimum number of 10 students do not opt for the same.
- (iii) Student can offer one subject for which teaching is not available in the Department, they will prepare that subject on their own. In case of practical's, a certificate will be needed for attending required number of practical's as per University rules.

B.Com. First Year Subjects

Sr. No. Subjects

1. English (Communication Skills)
2. Punjabi/HCP*
3. Commercial and Labour Law
4. Financial Accounting
5. Business Organization and Management.
6. Business Maths and Statistics.
7. Environment and Road Safety Education

B.Com. Second Year Subjects

1. Company Law & Auditing
2. Corporate Accounting
3. Cost Accounting
4. Business Economics
5. Banking and Insurance
6. Indirect Tax Laws

B.Com. Third Year Subjects

1. Functional Management
2. Management Accounting & Business Finance
3. Direct Tax Laws
4. Indian Economy
5. Entrepreneurship & Small Business
6. Optional-To be announced at the time of admission.
7. Viva-Voce

Instructions for Practicals

1. Each unit shall be divided into three Practical groups.
2. Each student will required to study five period of Text and one period of practical in a week in each subject. However, in case of Punjabi/HCP, each student will require to study three periods of texts only.

Practical Examination (10 Marks)

Evaluation on the basis of practical work will be strictly in accordance with syllabus prescribed. There will a term paper on the basis of practical/Training work. The teacher shall take this paper and the teacher concerned shall keep record of the term paper for a period of one year.

Important Notes:

1. Students are advised to check any changes in the courses and syllabi of B.A./B.Com at the time of admission.
2. (i) For B.A./B.Com. Courses, the Dept. will conduct two mandatory tests in theory paper one in the month of September/October and the other in December/January or any other month as decided by the DUI/Vice Chancellor every year.
(ii) For the first test, there will be only the paper of one hour's duration in each subject and for the second test there will be only one paper of three hours duration in each subject comprising different parts, if so required.

There will be a special test only for those students who could not fulfill the conditions of eligibility. It will not be held to provide opportunity to all students to improve their earlier score.

Where as the September House Test will carry weightage of 30% and December House Test will have weightage of 50% in each subject/paper. Weightage of 2 Marks for attendance components out of 10 Marks for continuous assessment shall be available only to those students who attended 75% and more of class room lecture. The breakup of marks of attendance for theory papers shall be as under:

Attendance	Marks for Theory Paper
Above 75% and upto 85%	One
Above 85%	Two

The beneficiary of condonation will not be given the benefit of marks awarded on account of attendance.

The total weightage for both the tests and attendance taken together shall be 10% of total marks in each theory subject/paper. The weightage of 10 percent marks shall be added to each paper of B.A./B.Sc./B.C.A I,II and III year which will, henceforth, carry weightage of maximum marks allotted to each paper. A candidate will have to pass in Theory and Practical/s separately.

(III) Courses of Study for M.A. Classes

The details of papers and the options allowed in M.A. Semester I and M.A. Semester II

ENGLISH

SEMESTER-I

Paper-I	:	Literary Criticism I	Paper- III	:	British Drama I
Paper-II	:	British Poetry	Paper-IV	:	British Fiction I

SEMESTER-II

Paper-I	:	Literary Criticism II	Paper- III	:	British Drama II
Paper-II	:	British Poetry II	Paper-IV	:	British Fiction II

ECONOMICS

SEMESTER-I

Paper-I	:	Micro Economics-I	Paper- III	:	Quantitative Methods
Paper-II	:	Contemporary Issue in Indian Economy-I	Paper-IV	:	History of Economy Thought

SEMESTER-II

Paper-I	:	Micro Economics-II	Paper- III	:	International Economics
Paper-II	:	Contemporary Issue in Indian Economy-II	Paper-IV	:	Economics of Public Finance

POLITICAL SCIENCE

SEMESTER-I

Paper-I	:	Western Political Thought-I	Paper- III	:	Indian Political System
Paper-II	:	Key Concepts in Political Analysis	Paper-IV	:	International Relation: An Historical Overview

SEMESTER-II

Paper-I	: Western Political Thought-II	Paper- III	: Indian Politics
Paper-II	: Comparative Politics-I: Understanding Advanced Industrial Societies	Paper-IV	: Approaches to the study of International Relation

HISTORY

SEMESTER-I

Paper-I	: Ancient India: An Overview	Paper- III	: Modern India: Political Processes
Paper-II	: Medieval India: Political Processes	Paper-IV	: The Punjab (Mid-fifteenth to Seventeenth Centuries)

SEMESTER-II

Paper-I	: Agrarian Economy of Ancient India	Paper- III	: USA (1820-1973)
Paper-II	: Punjab in the Eighteenth Century	Paper-IV	: China & Japan (1840-1950)

PUNJABI

SEMESTER-I

Paper-I	: Punjabi Sahit Da Itihas	Paper- III	: Punjabi Gurmat Kav
Paper-II	: Sahit Sidhant te Punjabi Alochna	Paper-IV	: Punjabi Novel

SEMESTER-II

Paper-I	: Aadunik Punjabi Sahit da Ithas	Paper- III	: Punjabi Sufi Ate Kissa Kav
Paper-II	: Aadunik Pachmi Kav Sastra te Vivharik Alochna	Paper-IV	: Parvasi Ate Pakistani Kahani (Option IInd)

Special Note:

In case less than 10 Candidates opt for a particular optional subject, that optional shall not be allowed.

INTERNAL ASSESSMENT (20%) FOR REGULAR STUDENTS OF POST-GRADUATE COURSES
(Semester System)

RULES FOR ADMISSION/ELIGIBILITY

Important: Candidates desirous of applying for admission to University Teaching Department for the session 2013-2014 can download admission form from P.U. Website www.puchd.ac.in free of cost. However, those finally admitted will be charged cost of admission form along with admission fee except admission for B.Com. I.

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.

Note : No 'failed' candidate shall be admitted. (The students whose admission forms were duly sent by the Department to the Controller of Examinations for appearing in the examination, but did not appear, or dropped the paper, will also be considered 'failed' students under University Rules).

Eligibility for Admission:-

The eligibility conditions for admission to M.A. Part I are given in the general section of this Handbook. Students are however, advised to consult the 'University Calendar' for relevant regulation or detailed 'Syllabus, Courses and Regulation. For the class/subject concerned.

TUTORIAL AND SEMINARS

- (i) Though specific tutorials for Under-graduate as well as Post-Graduate classes, the literature written by eminent writers of English are shown through audio-visual either in the class room or collectively.
- (ii) Special Seminars are held on the important topics mentioned in the syllabi and they form an integral part of the curriculum.
- (iii) NSS campus are an integral part of the co-curriculum.
- (iv) Special extension lectures are delivered by eminent scholars.

Ph.D./Research Facilities

The Department faculty provides supervisory facility/research guidance to the eligible candidates for research leading to Ph.D. Degree.

UNIVERSITY SCHOOL OF OPEN LEARNING

About the School

The University School of Open Learning, formerly the Department of Correspondence Studies was established in 1971. It has since emerged as one of the premier institutes of distance and open learning to take education beyond the four walls of the University.

Housed in a sprawling building on the campus, this multi-faculty, multi-disciplinary school offers a wide range of courses. In addition to traditional under-graduate, post-graduate, diploma and certificate courses, the USOL offers an array of professional, innovative and value added courses to cater to the needs of an emerging knowledge society. The students enrolled for its courses have to undertake same curriculum, same examination and are awarded the same certificate/diploma/degree as their counterparts in the University or Colleges.

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. With almost 22,400 learners on its rolls, the USOL offers effective student learner support services like Personal Contact Programme, Book Bank, Educational Media Centre etc. It has a well stocked library (over 100,000 books) with computer facility, a computer lab, as also well equipped labs for Geography, Psychology, Defence Studies and Education. It also has a placement counselling and guidance cell. Above all, USOL has a highly qualified faculty which is actively involved in both teaching and research.

Faculty**COMMERCE**

Particulars	Name	Field of Research Specialization
Professors	Lalit K. Bansal (Chairperson)	<i>Accounting and Finance Financial Service</i>
	R. K. Gupta	<i>Accounting & Tax</i>
Associate Professor	Geeta Mangla Bansal	<i>HRM</i>
	S. K. Gopal (Re-employed)	<i>HRM & General Management</i>
Assistant Professor	J.S. Rathore	<i>Marketing, HRM, General Mgt., Mktg.</i>

DEFENCE STUDIES

Professor	Meena Dutta	<i>Conflict Resolution and Defence</i>
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ECONOMICS

Professors	Reena Bhasin	<i>Economics of Growth and Dev. & Quantitative Method</i>
	Parminder Khanna (Re-employed)	<i>International Eco., Money and Banking & Indian Economy</i>
Associate Professors	Sangeeta Malhotra	<i>Economics of Agriculture</i>
	Harsh Gandhar	<i>Economics of Education, Public Expenditure/ Finance</i>
	Poonam Gupta (Re-employed)	<i>Macro Economics & Quantitative Mehtod</i>
	S. B. Prashar (Re-employed)	<i>Micro Economics</i>

EDUCATION

Associate Professor	Kuldip Puri	<i>Educational Philosophy & Sociology, Policy</i>
Assistant Professors	Mamta Garg	<i>Distance Education, Teacher Education Quality Concerns in Education</i>
	Supreet Kaur	<i>Guidance & Counselling Career Psychology and Teacher Education</i>
	Kuljeet Kaur	<i>Guidance & Counselling Educational Psychology Language Teaching & Literature</i>
	Manju Gera Ram Mehar Jatinder Grover	<i>Educational Technology, Research Methodology Educational Technology, Educational Psychology Educational Technology. Quality of Education at Elementary and Secondary Level</i>

Jeesu Jaskanwar Singh	<i>Educational Technology, Guidance & Counselling</i>
Gurpreet Kaur	<i>Educational Psychology, Education Policies & Plans</i>
Upsana Thapliyal	<i>Educational Psychology, Teachers Education</i>

ENGLISH

Professor	Praveen Sharda	<i>Critical Theory, Stylistics</i>
Associate Professors	Swaran Singh (<i>Re-employed</i>)	<i>British Fiction</i>

GEOGRAPHY

Professor	Neelam Grover (<i>Re-employed</i>)	<i>Rural Settlement Geography</i>
Associate Professor	Harveen Pannu (<i>Re-employed</i>)	<i>Agricultural Geography</i>
Assistant Professor	Sucha Singh	<i>Agricultural Geography</i>
Tutor-cum-Curator	S. S. Rana (<i>Re-employed</i>)	<i>Population Geography</i>

HINDI

Professors	Yojna Rawat	<i>Modern Fiction</i>
	Neeru	<i>Modern Hindi Literature</i>

HISTORY

Professor	Manju Malhotra	<i>Modern Punjab, Gender Studies and National Movement in India</i>
Associate Professor	Seena Pall	<i>Socio-Cultural History of Modern Punjab</i>

MATHEMATICS

Associate Professor	Ram Avtar Yadav (<i>Re-employed</i>)	<i>Mathematics</i>
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PHILOSOPHY

Tutor-cum-Curator	Sudhir K. Baweja	<i>Indian Aesthetics Vivekananda Studies Branding & Media</i>
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POLITICAL SCIENCE

Professors	S.K. Shukla (<i>Re-employed</i>)	<i>International Politics & State Politics</i>
	S.K. Sharma (<i>Re-employed</i>)	<i>International Relations, Foreign Policy & Western Policy</i>

Associate Professor	Emanuel Nahar	<i>State Politics & Foreign Policy</i>
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PSYCHOLOGY

Professor	Saran Kumari Sharma (Re-employed)	<i>Ego Identity–Music Therapy</i>
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PUNJABI

Professor	Jaspal Kaur Kang	<i>Medieval Punjabi Literature, Gurbai Sahir, Punjabi Fiction</i>
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Tutor-cum-Curator	Tarlochan Singh (Re-employed)	<i>Punjabi Literature, Novel</i>
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PUBLIC ADMINISTRATION

Professors	Swinder Singh	<i>Administratve Theory Local Governance</i>
	Pawan Kamra (Re-employed)	<i>Research Methodology Indian Pol System Disaster Management</i>
	R.K. Sharma (Re-employed)	<i>Public, Health, Development and Police Administration</i>
	Vijay Rattan (Re-employed)	<i>Development Administrtion Local Governance</i>

Tutor-cum-Curator	Ramesh Paul	<i>Public Health Policy</i>
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SOCIOLOGY

Professor	Madhurima Mahajan	<i>Sociology of Violence Crime Disability Studies</i>
Assistant Professor	Rajni	<i>Sociology of Education, Development & Urban Socio</i>

	Reena Rani	<i>Sociological Dimensions of Development, Perspectives & Concept</i>
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STATISTICS

Professor	Ravi K. Mahajan	<i>Applied Statistics, Psychometric</i>
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Assistant Professor	Richa Sharma	<i>Survival Analysis</i>
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COURSES

Courses Offered (For admission to these courses separate Prospectus will be issued by USOL and separate advertisement will be inserted in the leading newspapers and it will also be available on www.usol.pu.ac.in for downloading the admission form) :

(a) Bachelor Degree Courses

1. B.A. Part-I, II & III (10+2+3 Scheme)
2. B.Com. Part-I, II & III (10+2+3 Scheme)
3. Bachelor of Education (B.Ed.) (two years course)
(For in-service teachers only)
4. Bachelor of Library & Information Science (B.Lib.) (One Year Course)

Seats = 800

(b) Masters Degree Courses (Semester System)

M.A. in	1.	(i) English	(v) History
		(ii) Hindi	(vi) Political Science
		(iii) Punjabi	(vii) Public Administration
		(iv) Economics	(viii) Sociology
	2.	**M.F.C. (Master of Finance & Control)**	
	3.	M.Com. (Master of Commerce)	
	4.	M.Ed. (for in-service teachers) Admission through entrance test only. Seats = 150	
	5.	**M.B.A. (Off Campus) Admission through entrance test only. Seats = 500	
		<i>(Our B.Ed. and M.Ed. Courses are recognized by N.C.T.E.)</i>	

(c) One Year Diploma/Certificate Courses

1. Postgraduate Diploma in Health, Family Welfare and Population Education
2. Postgraduate Diploma in Mass Communication (PGDMC)
3. Postgraduate Diploma in Computer Applications (PGDCA)
4. Postgraduate Diploma in Human Rights & Duties (PGD. HR & D)
5. Postgraduate Diploma in Library Automation and Networking (PGDLAN)
6. Postgraduate Diploma in Statistics (PGDSt.)
7. Advance Diploma in Naturopathy & Yoga (ANDY)
8. Diploma in Photography (DIP)
9. **Certificate Course in Vivekananda Studies
10. **Certificate Course in Women Studies

**Awaiting Clearance

Thrust Areas :

Thrust Area of USOL, the Multi-disciplinary development shall be on developing affordable, accessible and inclusive non-formal education system.

PANJAB UNIVERSITY REGIONAL CENTRE, MUKTSAR (ARTS)

About the Centre

The Panjab University Regional Centre was started in 1998 realising the responsibility towards the society in general and the development of the backward area in particular, Punjab Govt. and Panjab University decided to start a Regional Centre at Muktsar, which is an ideal place for the establishment of such Regional Centre.

About the Town

Muktsar is historic town having special value for Punjab and the Punjabies as it is the place where Sri Guru Gobind Singh Ji fought last battle with Mughal Rulers. It is situated in the centre of the Western Malwa Region which is known for its fertile land and rich crops. It is situated at a distance of 30 kms. from Malout, 60 kms. from Dabwali and Abohar, 55 kms. from Ferozepur, 35 kms. from Gidderbaha, 30 kms from Jalalabad and 28 kms. from Gurharsahai. It is approachable both by road and rail.

Faculty :

Particulars	Name	Field of Research Specialization
Professor	P.S. Dhingra (Director)	<i>Panjabi Language & Linguistics</i>

Associate Professors	D.K. Singh Baljinder Kaur J.S. Dhillon Manish Kumar	<i>Rural Movements in India</i> <i>Poetry and Fiction</i> <i>Afro American Literature Eco-Criticism</i> <i>Pattern Recognition, Character Recognition</i>
Assistant Professors	Sujit Lahiry Darshan Singh Gurpal Singh Gurjaswinder Singh Nisha Jain Vinod Kumar Ravinder Kumar Rajesh Kumar Mishra Mohinder Kumar	<i>International Relations</i> <i>Linguistics Theory Poetry</i> <i>Criminal Laws</i> <i>Economics of Agriculture/Macroeconomics</i> <i>Indian Political System</i> <i>Money and Banking Public Finance</i> <i>Literary Criticism (Fiction) Literary Theory</i> <i>Indian Writing in English</i> <i>Java, Unix Programming, DBMS.</i>

Courses Offered

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
M.A. Economics	46	2 years	As prescribed in Section 7.1 of Rules for Admissions
M.A. English	46	2 years	– do –
M.A. Punjabi	46	2 years	– do –
M.A. Political Science	46	2 years	– do –
LL.B.	58+8NRI	3 years	Admission based on P.U. CET. (P.G.)
M.C.A.	20+2*+3NRI	3 years	– do –
M.Phil. (Punjabi)	15	1 year	See General Important Guidelines

The Rules of LL.B. (3 year) prevailing in Department of Laws, P.U., Chandigarh would also apply at the Centre

* For Candidates who have Studied Computer Science as one of the subjects for three years/or subject as a full course at the Undergraduate level.

PANJAB UNIVERSITY RURAL CENTRE, KAUNI, DISTT. MUKTSAR

About the Centre

The Panjab University Rural Centre Kauni was started in July 2010 realising the responsibility towards the society in general and the development of the Rural area of District Sri Muktsar Sahib.

Faculty

Professor	:	P.S. Dhingra (Director)		
Asstt. Professors :	Monica Rajneesh	Jasbir Singh Angrej Singh	Yogita Sarohi Savita Grover	

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.A.	80	3 years	10+2
BBA	40	3 years	10+2 with 50 % marks
B.Com	40	3 years	10+2 with 45 % marks with Math/Commerce
PGDCA	40	1 year	50% marks in Graduation

Admission will be made on merit basis.

PANJAB UNIVERSITY REGIONAL CENTRE, LUDHIANA

Panjab University Regional Centre has been established at the campus 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 interest and fulfilled the long standing demand of the residents of Ludhiana, for quality Professional (Legal and 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 Sh. Lala Lajpat Rai, M.P. 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 05th October, 2003.

Faculty**LAW**

Professor	Hardiljit Singh Gosal (Director)		
Assistant Professors	Arti Puri (Coordinator for Law)	Aman A. Cheema	Aditi Sharma
	Ashish Virk	Shiv Kumar Dogra	Neelam Batra
	Vaishali Thakur	Harpreet Kaur Vohra	Rajnish Saryal
Guest Faculty (Laws)	Vandana Bhanot	Sharwan Sehgal	Shikha Mittal
	Parveen Talwar	Sarita Paul	Surender Kumar
	Manjinder Kaur	Manisha Garg	Rupinder Kaur
	Harjinder Kaur	Meera Nagpal	Sourabh Kumar

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.A.LL.B. (Hons.) 5 Years Integrated Course (Self Finance)	87+8NRI	5 years (10 Semesters)	Admission based on B.A./B.Com. LL.B. (Hons.) Five years Integrated Course Entrance Test-2014
LL.B. (Self Finance)	72+09NRI	3 years (6 Semesters)	Admission based on P.U.-LLB.-2014

UBS

Professor	Hardiljit Singh Gosal (Director)		
Associate Professor	Ravi Inder Singh (Resident Coordinator)		
Assistant Professors	Taranjeet Singh Tarun K. Vashisth	Ashish Saijhpal	Shashi Kapoor

Course Offered

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
MBA	57+09NRI	2 Years	Admission based on CAT

PANJAB UNIVERSITY SWAMI SARVANAND GIRI REGIONAL CENTRE (HOSHIARPUR)

About the Centre

The Panjab University, Chandigarh started its 2nd Technical Institute as an off-campus establishment in Kandi Area of Punjab at Hoshiarpur from the session 2006-2007. The campus has been started keeping in mind objective of upliftment of rural students through technical education, quality training program in need based modern technology, inculcation of moral, ethical and spiritual values in education at all levels. The campus has been established in a beautiful lush green environment with State of Art Infrastructure.

The institute offers B.E. Course in Computer Science, Engineering, Electronics & Communication, Engineering, Mechanical Engineering and Information Technology. In addition the LL.B. 3 years course, B.A. LL.B. 5 years course and M.C.A. have also started w.e.f. Session 2007-08.

The centre has well equipped Computer Science, Electronics, Mechanical, Electrical, Physics and Chemistry Laboratories to train the students. Along with other infrastructure the centre has workshop facilities, Library, Health Centre and student bus facility. State-of-the-art Computer facilities, independent Broad Band internet connectivity and Wi-Fi helps students to access the internet services beyond location barriers. The students undergoing the course are able to study in the conducive environment and infrastructure befitting to the level of the Panjab University under the able guidance of well qualified faculty. The institute has research oriented faculty having Govt. funded research projects. The campus is also connected with the Hot-Line i.e. 24 hours uninterrupted power supply. The institute has around 70% of the student placement in reputed companies with good packages. There are two Hostels one each for Boys & Girls. Another boys hostel, just adjacent to campus premises, has been taken over to ensure nearly complete residential facility for all outstation students.

Faculty of Engineering

Professor	H.S. Bains (Director)		
Assistant Professors	Meenu Bhagat Neeraj Sharma Harkamalpreet Singh Naveen Dogra Prabha Sharma	Manu Dogra Gurinder Singh Gurpreet Singh Jaspal Singh Suman	Jaswinder Singh Vinay Arora Suresh Kumar Mandeep Singh Walia Satish Kumar

Aman Kaura	Ravinder K. Pal	Ankur Singh Kang
Bindya	Surinder Singh Khurana	Sukhwinder Singh Bamber
Abhishek Chauhan	Gaurav Saini	Balwant Raj
Rajeev Kumar Dang	Kanwalpreet Singh	Jodh Singh
B.S. Atwal	Divya Sharma	Ritika Arora
Sukhpreet Kaur	Harpreet Kaur	Anish Sharma
Gurpinder Singh	Monika	Somesh Kumar
Harman Preet Kaur		

Admission

The admission to B.E. courses at the University Institute of Engg. & Tech., Panjab University Swami Sarvanand Giri Regional Centre, Hoshiarpur, will be made on the merit of **JEE** examination along with Joint Admission of other Engineering Institutes of Panjab University and Chandigarh.

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.E.			
Electronics & Communication Engg.	60	4 Years	Admission based on JEE-2014 conducted by CBSE, New Delhi and guidelines issued by JAC-2014
Computer Science & Engineering	60	4 Years	-do-
Mechanical Engineering	60	4 Years	-do-
Information Technology	60	4 Years	-do-

Note :-Candidates who have passed the 10+2 examinations from any other board not recognized by the Panjab University will not be considered for admission.

MCA

The MCA course has been started by the University at Department of Computer Science & Application, Panjab University Swami Sarvanand Giri Regional Centre, Hoshiarpur in the session 2007-2008.

Faculty of MCA

Associate Professor	Satish Kumar (Co-ordinator)		
Assistant Professors	Rajinder Singh Gurjit Singh	Rahul Jassal	Neeru Mago

Admission

The admission to MCA Course at Panjab University Swami Sarvanand Giri Regional Centre, Hoshiarpur will be made on the merit of P.U.-CET. (P.G.) conducted by Panjab University.

Course Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
MCA	50+3 (E.W.S)	3 years (Semester system)	The minimum qualification for admission to the first year of the Course shall be : (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) 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.)

LL.B. Course**Faculty of Law**

Professor	Director (Vacant)		
Assistant Professors	Virender Kumar Negi Sukhbir Kaur Sunil Kumar Prabh Kiran Kaur C.S. Marwaha	Monika Negi Pooja Sood Sandeep Saini Reena Kamya Rani	Vinay Sharma Rajni Nanda Megha Dua Harpreet Singh

Admission

The admission to B.A.LL.B (Hons.) 5 year Integrated Course and LL.B at University Institute of Legal Studies, Panjab University Swami Sarvanand Giri Regional Centre, Hoshiarpur will be made on the merit of Entrance Tests conducted by Panjab University.

Courses Offered :

COURSE	SEATS	DURATION	ELIGIBILITY/ADMISSION CRITERIA
B.A.LL.B (Hons.) 5 year Integrated Course	60+1+8 NRI	5 years	Admission based on CET-2014 conducted by P.U.
LL.B.	60+3 NRI+1	3 years	(a) Those candidate who have passed/appeared Final year of Bachelor in any faculty of P.U. with at least 45% marks (40% for SC/ST student) Or

- (b) A Bachelors degree in any faculty recognized as equivalent to corresponding degree of Panjab University with at least 45% of the aggregate marks (40% of SC/ST students)

Provided that in case of candidate having Bachelors degree of the Panjab University of any other University recognized by the syndicate, through Modern Indian Languages (Hindi or Urdu or Punjabi) (Gurumukhi Script) and/or in a Classical Languages (Sanskrit or Persian or Arabic), the aggregate of 45% marks (40% for SC/ST candidates) shall be calculated by taking into account the percentage of aggregate marks that he/she had secured at the language examination, excluding the marks for the additional optional paper English and the elective subject taken together.

Or

- (c) A Master Degree in any subject from the Panjab University.

Or

- (d) A Master's degree from any other University recognised as equivalent to the correspondence degree of the Panjab University.

Note : The applicant who have obtained 10+2 or Graduation/Post Graduation through open Universities system directly without having any basic qualifications for prosecuting such studies are not eligible for admission in LL.B. course.

Admission based on O-CET.

RULES FOR ADMISSIONS TO THE COURSES OFFERED BY THE UNIVERSITY TEACHING DEPARTMENTS/CENTRES/INSTITUTES

These rules shall govern admissions to all the Teaching Departments/Centres/Institutes of the University including those which offer Professional Courses (viz., Dr. S.S. Bhatnagar University Institute of Chemical Engineering and Technology, University Institute of Engineering and Technology, P.U. Swami Sarvanand Giri Regional Centre, Hoshiarpur, P.U.R.C., Ludhiana, P.U.R.C., Muktsar, University Business School, UIAMS, National Centre for Human Genome Studies and Research, Environment Studies, Indian Theatre, Laws, U.I.L.S., Library & Information Science, School of Communication Studies, Music, University Institute of Pharmaceutical Sciences, Education, Physical Education, Computer Science & Applications, Biotechnology, Sophisticated Analytical Instrument Facility, Dr. Harvansh Singh Judge Institute of Dental Sciences & Hospital, Institute of Educational Technology & Vocational Education, University Institute of Fashion Technology and University Institute of Hotel Management & Tourism).

It is, however, understood that wherever deviation from the rules is intended by way of making special provision, the latter shall override the former.

Whenever for admission to University Courses B.A./B.Sc./B.Com., is the minimum requirement, B.A./B.Sc./B.Com. shall mean the first degree obtained under 10+2+3 scheme.

Specifically :

- (i) The admission to first year of all the Postgraduate Courses including B.P.Ed., LL.B. etc. in which admission on the basis of graduation has been notified during 2014-2015 shall be made on the basis of 10+2+3 scheme.
- (ii) 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.

1. Schedule of admissions

- (a) The date-wise schedule of admissions 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 provisional merit list of candidates (framed according to rules), inviting objections, if any, interviews and admission/aptitude test, wherever applicable, display of lists of selected candidates, and of candidates placed on the waiting list and deposit of fee etc.

This schedule shall be prominently displayed on the Notice Board of the Department concerned before the process of admissions starts.

2. Seats : Open and Reserved

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) Generally 55.5% of the seats in each course shall be treated as belonging to the Open Category.

(B) 44.5%* seats shall be treated as belonging to the Reserved Category, as per details given below :-

- (i) 15% for candidates belonging to the Scheduled Castes.
- (ii) 7.5% for candidates belonging to the Scheduled Tribes.

The above reservation shall be subject to the following conditions :

- (a) the number of students admitted on merit 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 inter-se amongst the candidates themselves, so that all the reserved seats are filled 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)].
- (iii) 5% for candidates belonging to the Backward Classes.
(Restored by Syndicate vide Para 63, dt. 29.6.2010)
- (iv) 3% for Physically Handicapped candidates : Claimant in this category should be capable of pursuing the course for which the admission is sought. The handicapped candidates 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.

Out of the 3% seats, 1% be earmarked for the blind and the persons with low vision in the courses where no practical are involved :

1. the blind persons be given admission straightway; i.e. they will be given priority over the Physically Handicapped candidates;
2. the blind persons be allowed to compete in General Category by allowing them 5 per cent marks over and above the marks actually obtained by them for determining their merit;
3. for admission to courses wherein age limit is specified, the blind persons be given a relaxation of 5 years in age;
4. for admission to courses based on Entrance Tests, the blind persons be treated at par with the SC /ST for earning eligibility for admission;

Visually Handicapped would mean :

Visual acuity of 6/60 with best correction in the better eye or any persons with visual fields of 20° or less in the better eye irrespective of the visual acuity.

*Any candidate who applies for reserved category should first be considered in general category.

- (v) 5% on the basis of achievement in Sports (see separate Guidelines).
- (vi) 5% (for all the under-mentioned categories taken together) for candidates who fall in one of the following categories (which are given here in order of precedence) :-
1. Sons/Daughters/Spouses of such defence personnel, para-military personnel like CRPF/BSF and Police personnel etc. who died in action while on duty. Only those who were wholly dependent on such personnel shall be considered.
 2. Sons/Daughters/Spouses as are wholly dependent on such Defence Personnel who were incapacitated/died while in service.
 3. Such Sons/Daughters/Spouses of ex-servicemen (Defence and Para-military personnel like CRPF/BSF etc.) as are wholly dependent on them.
 4. Defence personnel incapacitated* while in service.
 5. Such Sons/Daughters/Spouses of serving defence personnel and para-military personnel like CRPF/BSF etc. as are wholly dependent on them.
 6. Ex-servicemen**
 7. Serving defence personnel/paramilitary personnel like CRPF/BSF etc.
- Note :** Except in the case of Department of Laws, for admission to evening courses, categories 2, 3 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/Daughters/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.

*Incapacitation will mean incapacitation leading to the discharge of the person by authorities concerned.

**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 :-

- (i) who retired from the service after earning his/her pensions; or
- (ii) who has been boarded out of the service on medical grounds attributable to military service 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.

Explanation :

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 open 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 25 seats, the distribution of seats among the various categories will be as under :-

Open Category	SC	ST	BC	Sports	Military Personnel	Phy. Handi-capped	Riot Victim	Freedom Fighters	Total
14	4	2	1	1	1	1	1	1	26

It will be seen that this raises the total number of seats to 26. The 26th seat will be treated as additional in that 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 Open category. Such additional seat, if remains unfilled, will not be converted to open category.

3. Eligibility Conditions

For admission under any of the categories, Open or Reserved, as given above, a candidate must be eligible. 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, 2007 including amendments made therein from time to time and in the Handbook of Information 2014. For such courses admission to which is based wholly or in part on an entrance test/aptitude test, eligibility shall also mean the candidate's having taken the test and qualified it.

4. Inter-Changeability and transfer of seats

- (a) In the Reserved categories given at (i) and (ii) under paragraph 2(B), i.e. Scheduled Castes and Scheduled Tribes, the seats shall be regarded as 'interchangeable'. That is to say, if a 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 as remain unfilled shall be transferred to the Open category on 01-08-2014 (Friday) by 5.00 p.m. Any additional seat/s, if created for the reserved category, shall stand cancelled in such a case.

Note : The Departments where admission is based on Entrance Test/Aptitude Test, seats in reserved categories be included 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.

5. Admission based on JEE & CAT

- (a) The Entrance Test conducted by CBSE (JEE) Mains in May, 2014 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. (Gen.), M.B.A. (International Business), M.B.A. (Human Resource) and MBA (Biotechnology), is based on CAT 2014 held in November, 2013.
- (c) Departments may conduct a test as part of admission process with the prior permission of the Dean of University Instruction.

6. Additional seats for Foreign Nationals/NRI candidates.

1. 10% seats over and above the total number of regular seats in each course reserved for the Foreign Nationals/NRI candidates. The decision of the Syndicate/Senate where the seats have already been granted more than the 10% seats will also prevail.
2. Candidates seeking admission under the Foreign Nationals/NRI Students category are required to submit their academic certificates as a proof of passing the qualifying examination for each course to which admission is to be sought. The minimum qualification for them would be same as per Indian students.
3. Foreign Nationals/NRI candidates seeking admission to the concerned course are required to compete amongst themselves for the seats for them by appearing in the Entrance Test (wherever applicable) if they are in India. However those living abroad at the time of entrance test will be exempted from the entrance test.
4. Foreign Nationals/NRI candidates shall have to comply with any other requirements prescribed by the Government of India and Panjab University from time to time.
5. The candidates seeking admission to B.P.Ed. (Physical Education) will be required to undergo mandatory Physical Efficiency Test. The scores of Physical Efficiency Test will be counted for determining merit.
6. Foreign Nationals/NRI candidates shall provide the academic certificate of passing the qualifying of equivalent examination as prescribed for each course to which admission is to be sought.

Further :

1. Seats in this category shall not be allowed to be converted into open category. Applicants who fail to get admission in the general category shall be eligible to compete for the seat in the NRI category provided the candidate give in writing his option for NRI category during the counselling for general category self, subject to fulfillment of other requirements/rules for admission in this category. The admission will be made in the NRI category on the basis of combined (i.e. including those who applied earlier and those who gives the option at the time of general counselling) merit list of this category.

A candidate admitted in NRI category may change his admission to vacant seat in general/reserved category provided :-

The candidate falls within the merit of admitted candidates in general /reserved category.

7.1 Admission to P.G. Courses in the Faculties of Arts and Languages.

ADMISSION TO M.A. PART I (Semester System)

REGULATION 11.1 GIVEN AT PAGE 91 OF P.U. CAL. VOL. II, 2007

Eligibility

A person who has passed one of the following examinations from this University, or from the Panjab University at Lahore before 1948, or from any other University whose examination has been recognised as equivalent to the corresponding examination of this University shall be eligible to join the first year (Part-1) class of the M.A. Course :

- (i) B.A. with Honours in the subject of the Post-Graduate Course;
- (ii) (a) Bachelor's Degree in any Faculty with atleast 50% marks in the aggregate;
(b) Diploma in Physical Education Examination or Post-Graduate Diploma in Library Science after having passed B.A. or B.Sc.;
- (iii) (a) 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;
(b) or has obtained B.A. degree through English only regulations obtaining atleast 45 per cent marks in the subject of the Post-Graduate Course;
- (iv) Obtained B.A. degree, after passing the examination in an Oriental Classical Language or a Modern Indian Language with at least 45 per cent marks (out of the aggregate excluding the additional paper) at the Honours in Oriental Titles or Modern Indian Languages examination, in the subject of Post-graduate Course;
- (v) Master's degree examination in another subject or another faculty;
- (vi) The B.A. examination under Social Service Regulations or under War Regulations and has subsequently passed in the subject concerned at the B.A. examination obtaining at least 45 per cent marks;
- (vii) B.Sc. Honours School;
- (viii) For Gandhian and Peace Studies a person who has passed :

A graduate in any stream having 50% marks be allowed to take admission in M.A. 1st Semester in Gandhian and Peace Studies. However, a candidate having B.A. degree in any out of the following subjects with 45% marks is also eligible for admission.

- | | | |
|---|------------------|---------------------------|
| 1. Gandhian Studies | 6. Sociology | 12. Defence Studies |
| 2. Economics | 7. Geography | 13. Social Work |
| 3. Political Science | 8. Women Studies | 14. Public Administration |
| 4. History | 9. Human Rights | 15. Police Administration |
| 5. Ancient Indian History,
Culture and Archaeology | 10. Philosophy | |
| | 11. Psychology | |

(ix) For History of Art, a person who has passed one of the following Examinations shall be eligible :-

(1) B.A. (Pass) examination with 45 per cent marks in any of the following subjects :-

- (a) Art (b) Music (c) Psychology (d) Philosophy
(e) Sociology (f) Sanskrit (g) History (h) English
(i) Ancient Indian History, Culture & Archaeology (j) Home Science
(k) Any one of the Modern Indian Languages/Classical languages.

(2) B.A. (Pass)/B.Sc. (Home Science) examination in second division with at least 50 per cent marks in the aggregate;

(3) B.F.A./Bachelor of Architecture examination with at least 45 per cent marks in the aggregate;

(4) Master's examination in any subjects.

Provided he qualifies in an aptitude test conducted by the Department of Fine Arts as per guidelines laid down by the concerned Board of Control.

(x) For German a person who has passed :

(a) B.A./B.Sc. and Advanced Diploma Course in German of the Panjab University or an examination of another University/Board recognised by Syndicate as equivalent to Advanced Diploma Course in German of the Panjab University with 45 per cent marks in German.

OR

(b) B.A. examination with German as Elective subject from this University or an equivalent examination of another University with 45 per cent marks in the subject of German shall be eligible.

(xi) For Urdu a person who has passed :-

(a) B.A./B.Sc. with 50% marks

OR

(b) B.A. with Urdu as an elective subject with at least 45% marks.

OR

(c) B.A. and Advanced Diploma Course in Urdu with at least 45% marks.

(xii) For Russian a person who has passed :-

(a) Bachelor's degree with Russian as an elective subject from any recognized University/ College/Institution.

OR

(b) Advanced Diploma in Russian and Bachelor's degree in any discipline from any recognized University/College/Institution.

Provided that :

(a) For the Public Administration course, a person who has passed one of the following examinations shall also be eligible :-

B.A. (Pass) with 45 per cent marks in Political Science or Economics or Sociology or Psychology or History.

(b) For the Ancient Indian History, Culture & Archaeology course, a person who has passed B.A./B.Sc. examination with Philosophy or Political Science or Art or Music or Modern Indian Language or Geography or Mathematics or Sanskrit or Sociology or History or Public Administration or Economics or Psychology or Physics or Chemistry or Geology or Zoology or Botany obtaining at least 45 per cent marks shall also be eligible.

(c) For the Psychology Course :

(i) A Bachelor's degree obtaining at least 45 per cent marks in the subject and 50% marks in the aggregate for admission to Post Graduate Course.

(ii) B.A. with Honours in the subject of Psychology.

The evaluation system for M.A. (Psychology) will be external.

(d) For the Economics course, a person who has passed the B.Com. examination with 45 per cent marks in the subject of Economics shall also be eligible.

(e) For the Geography Course, a person shall be eligible only if :-

(i) he/she has passed in Geography in the B.A. or B.Sc. examination obtaining at least 45 per cent marks;

OR

(ii) has obtained Post-graduate diploma in Cartography with at least second division.

(f) For Political Science and History course, a person who has passed B.A. with 45 per cent marks in Public Administration or Sociology, shall also be eligible.

(g) For Fine Arts course, a person who has passed :-

(1) B.A. Fine Arts examination of this University with 45 per cent marks;

OR

(2) B.A. degree with-

(i) 50 per cent marks in the aggregate; and

(ii) Fine Arts as one of the subject;

OR

(3) B.A. degree with at least 45 per cent marks in the subject of Fine Arts, shall also be eligible.

(h) For Philosophy Course;

A person who has passed B.A. with 45% marks in Psychology, Political Science, Economics, Sociology, Mathematics or Physics; shall also be eligible.

(i) For M.A. Part I (French) a person who has passed :

(i) B.A./B.Sc./B.Com./B.B.A./B.C.A. or Honours (under 10+2+3) and Advanced Diploma Course in French with at least 45% marks from the Panjab University or any other University.

OR

(ii) B.A./B.Sc./B.Com./B.B.A./B.C.A. (under 10+2+3 system of education) with at least 45% marks in French elective or Honours (under 10+2+3 system of education) from the Panjab University or any other University.

OR

- (iii) B.A./B.Sc./B.Com./B.B.A./B.C.A. or Honours (under 10+2+3 system of education) and Diploma Approfondi de La Langue francaise (DALF Advanced French Language Diploma) issued by the French National Ministry of Education.

In addition, this be also noted under 2.1 at page 78.

Provided that :-

A candidate shall apply for M.A. in French only if he has the knowledge of the language as clarified in 3.1 (i) at page 79.

- (j) For M.A. Hindi Part I examination 45 per cent marks in Sanskrit (Elective) or Shastri examination (New Course) are also accepted.
- (k) For Hindi/Panjabi/Urdu course, a person who after passing B.A. examination, has passed the Prabhakar/Gyani/Adib Fazil examination securing 45 per cent marks (out of the aggregate excluding the additional paper), shall also be eligible.
- (l) For M.Sc. Statistics Course, a candidate shall be eligible only if he has passed B.A./B.Sc. (General and Honours) with Statistics/Mathematics obtaining either at least 50 per cent marks in the aggregate or at least 45 per cent marks in Statistics/Mathematics.
- (m) A person who has passed Diploma in Adi Granth Acharya/Guru Granth Acharya examinations shall also be eligible to join M.A. course (Part-I) in the subject of Hindi, Sanskrit and Punjabi.
- * (n) For M.A. Sanskrit Part-I Course, a person who has passed 'Shastri Examination either under 3-year (10+2+3) Degree Course New Scheme or under the Old Scheme (10+1+3) Degree Course.
- (o) For Defence Strategic Studies course :
- (i) Candidate shall offer Defence & Strategic Studies who had passed Defence & Strategic Studies/Military Science at graduate level;
- (ii) had passed Bachelor's Degree in allied subjects History, Political Science, Economics, Sociology, Psychology, Geography, Geology, Public Administration in Faculty of Arts/Social Sciences;
- (iii) had passed their qualifying examination in other subjects/Faculties and;
- (iv) Candidates belonging to the Armed Forces (i.e. Army, Navy & Air Force) after having put in five years of regular service provided they have passed the graduation examination.
- (p) For Women Studies course :
- A person who possesses one of the following qualifications shall be eligible to join-
- (i) Bachelor' degree in any Faculty with at least 50% marks in the aggregate;
- (ii) B.A. (Pass) with at least 45% marks in Women's/Gender Studies or Public Administration or Political Science or History or Economics or Sociology or Psychology or Gandhian Studies or Geography or Philosophy. The candidates with these subjects be given preference in admission.

*This would be applicable w.e.f. the Academic Session 1992-93 instead of 1991-1992.

- (q) For M.A. in Human Rights and Duties (Semester System) :
- (i) B.A. obtaining 45% marks in any of the Social Science disciplines OR
 - (ii) M.A. in any of the Social Science disciplines OR
 - (iii) Bachelor's degree in any discipline/Faculty with at least 50% marks.
- (r) For Master's in Public Health (Semester System) :
- Bachelor's degree in any discipline/Faculty with at least 50% marks.
- (s) Master in Social Work (MSW)
- (i) Bachelor in Social Work or Bachelor in Arts with Sociology or Psychology as one of the subjects from any University reconized by U.G.C. with a minimum aggregate of 50% marks. OR
 - (ii) Master in Sociology or Psychology or Social Anthropology from any University recognized by U.G.C. with 50% marks in aggregate.
- Other eligibility conditions shall be as per P.U. Regulations and Rules.
- (t) For M.A. Police Administration (Semester System) :
- (i) B.A. obtaining 45% marks in any of the Social Science disciplines; OR
 - (ii) M.A. in any of the Social Science disciplines; OR
 - (iii) Bachelor's degree in any discipline/Faculty with at least 50% marks.

Nominated candidate should be graduate police officer of the rank Sub-Inspector or above with five years of service.

Any serving Police Officer/Official who is eligible otherwise can also seek admission without nomination/sponsorship.

Nominating/Sponsoring authority

1. Director General, Bureau of Police Research & Development, New Delhi.
2. Director General of Police, Punjab.
3. Director General of Police, Haryana.
4. Inspector General of Police, Chandigarh.
5. Director General of Police, Himachal Pradesh.
6. Director General, Boarder Security Force, New Delhi.
7. Director General, Central Reserve Police Force, New Delhi.
8. Director General, Central Industrial Security Force, New Delhi.

2. The requirement of having obtained 45 per cent marks in the subject of Post-graduate course, shall not apply to a candidate who passed—
- (a) B.A. or B.Sc. examination from Panjab University, Lahore before 1948, or Honours in Oriental Classical Language or a Modern Indian Language examination from Panjab University, Lahore, for which the record is not available in this office but must have offered at the B.A. examination the subject of the Post-graduate course and for this purpose he shall have to furnish an affidavit; and
 - (b) B.A. or B.Sc. examination from this University in the year for which the record of detailed marks is not available in this office, but must have offered at the B.A. examination the subject of Post graduate course.

Explanatory Note :-67 marks out of 150 shall be accepted as 45 per cent in the subject of Post-graduate course.

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

- (a) 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;
- (b) 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;
- (c) 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;
- (d) 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 even if made.

7.3 Preparation of Merit Lists/Normalisation of Marks.

Admission to both the (Open 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 :-

$$\frac{495}{900} \times 2400 = 1320$$

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 :-

$$\frac{240}{300} \times 600 = 480 \text{ out of } 600$$

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. School like system specializing in one subject in which the admission is sought for the P.G. course.

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

$$Z = X \times \frac{15}{100}$$

- (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 16.1 and 16.2. Other weightages as prescribed at 16.1 and 16.2 would be calculated on the basic merit marks **X**.

In a Teaching Department of the Faculties of Arts and Languages which does not hold a separate entrance test for admission to M.A. Semester-I there shall be two merit lists : first one consisting of those candidates who did their B.A./B.Sc. with the subject of M.A. and the second one of those who did not study the subject of M.A. in their B.A./B.Sc. examination. The first merit list shall be taken up first and the second one after the first merit list is exhausted.

8. Admission based on Entrance Test conducted by Panjab University.

8.1 P.U.-CET-(U.G.) ONLINE ADMISSIONS-2014

For Admission to :

B.Pharm.

B.Sc. (Honours School)

There shall be Centralised admission to the following course being offered by the Teaching

Departments of P.U. :-

- | | |
|--|------------------------------|
| 1. University Institute of Pharmaceutical Sciences | B.Pharm. |
| 2. Science Departments | B.Sc. (Hons. School) |
| | (i) Anthropology |
| | (ii) Biochemistry |
| | (iii) Bio-Physics |
| | (iv) Biotechnology |
| | (v) Botany |
| | (vi) Chemistry |
| | (vii) Geology |
| | (viii) Microbiology |
| | (ix) Physics |
| | (x) Physics & Electronics |
| | (xi) Zoology |
| 3. Department of Mathematics | (i) Mathematics |
| | (ii) Mathematics & Computing |

The admission to all the above courses will be made on the basis of the score obtained in the P.U. CET-(U.G.)-2014 conducted by the Panjab University, Chandigarh on 24-05-2014 and marks obtained in 10 + 2 examination, provided the candidates are otherwise eligible for admission to the institution in terms of the eligibility conditions as mentioned in the prospectus.

The admission to B.Pharma & B.Sc. (H.S.) courses, will be based on the merit list prepared on the basis of the total of 25% marks obtained in +2 examination and 75% marks obtain in P.U. CET-(U.G.) conducted by Panjab University.

8.2 B.A./B.Com. LL.B. (Hons.) FIVE YEARS INTEGRATED COURSE ONLINE ADMISSIONS-2014

For Admission to :

B.A.LL.B. (Hons.) Five year Integrated Course

B.A./B.Com. LL.B. (Hons.) Five year Integrated Course

The admission to B.A.LL.B. (Hons.) Five year integrated Course, B.Com. LL.B. (Hons.) Five year Integrated Course, will be based on the merit prepared on the basis of total of 50% marks obtained in +2 examination and 50% marks obtained in the Entrance Test conducted by the Panjab University.

NOTE: The candidates having compartment in 10+2 examination held in March 2014 will not be eligible for admission in the course. The candidates who do not appear in Entrance Test or who do not qualify Entrance Test shall not be considered for admission.

Candidates desirous of seeking admission against Foreign Nationals/PIO/NRI seats to B.A.LL.B. (Hons.) Five years integrated Course, B.Com. LL.B. (Hons.) Five years integrated Course, B.Pharm. and B.Sc. (Honours School) courses, who are present in India, will compete amongst themselves for the seats created for them by appearing in the Entrance Test. However, those living abroad at the time of Entrance Test will be exempted from the Entrance Test. They have to comply with the requirements of Govt. of India, U.T. Administration, Chandigarh if any, as well as Panjab University, Chandigarh as prescribed by them from time to time.

8.3 PUTHAT (ON LINE ADMISSIONS) (Panjab University Tourism and Hospitality Aptitude Test 2014) for Admission to :-

- (i) B.Sc. (Hospitality and Hotel Administration)
- (ii) B.Sc. (Tourism Management)

ELIGIBILITY CONDITIONS :

The Panjab University Tourism and Hospitality Aptitude Test (PUTHAT) shall be open to all such candidates who have passed (up to the Academic Session 2012-2013) in the 10+2 Examination of the Central Board of Secondary Education, New Delhi or its equivalent Examination conducted by a recognized Board/University/Council **with not less than 50% marks in the aggregate and English as one of the Compulsory Subjects.**

The eligibility of a candidate will be provisional at every stage of the admission process. It will be the responsibility of the candidate to ensure his/her eligibility and fulfillment of various conditions for admission as prescribed in the rules/regulations of Panjab University. Admission will be cancelled at any stage in case the candidate is not found eligible, even subsequently.

CRITERIA FOR ADMISSION

The admission to both the above courses will be on the basis of the Merit of Panjab University Tourism and Hospitality Aptitude Test (PUTHAT) to be conducted by Panjab University.

8.4 Admission based on P.U.-LL.B.-2014 (3 year Course)-

For Admission to :

LL.B. (3 year Course)

Eligibility would be as stated in P.U.-LL.B.-2014. Prospectus and criteria for admission to the aforesaid course, will be based on the merit prepared on the basis of total of 50% marks obtained in the qualifying examination and 50% marks obtained in the Entrance Test conducted by the Panjab University.

8.5 Admission based on P.U.-CET (P.G.)-2014

Entrance Test P.U.-CET (P.G.)-2014 For Admission to :-

LL.M., M.C.A., M.A. (Journalism and Mass Communication), Master in Public Health, M.A. (English), M.Tech. (Instrumentation), M.Tech. (Nanoscience and Nanotechnology), M.E. (Chemical), M.Tech. (Polymer), M.Sc. (Industrial Chemistry), M.Com. (Hons.), M.P.Ed., B.P.Ed., M.Sc. Hons. School : Biochemistry, Biophysics, Computer Science, Mathematics, Microbiology, Physics & Electronics, Geology, M.Sc. 2-Year Course : Environment Science, Human Genomics, Nuclear Medicine, System Biology & Bio Informatics, Microbial Biotechnology, Medical Physics, M.Sc. (Hons. School/2-year course) : Biotechnology, Botany, Chemistry, Physics and Zoology.

Eligibility would be as stated in P.U.-CET (P.G.)-2014 Prospectus.

- (i) **Criteria for admission to the aforesaid courses [(except LL.M. M.A. in Journalism & Mass Communication and M.Com. (Hons.))] is as under :**

The candidate 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 Entrance Test : 50%

Qualifying Examination : 50%

Academic and other weightage(s), 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. The candidates will have to appear for a personal interview as per the merit list. However, there will be no marks awarded for the interview.

Illustration :

- (a) The above criteria mean that if the total marks for admission are taken as 100, there will be 50 marks for his/her performance in B.A./B.Sc./B.Com. and 50 marks for the Entrance Test 2014. If a candidate has obtained 1200 out of 2400 marks, his/her marks out of 50 would be 25.

$$\frac{1200}{2400} \times 50 = 25$$

These are referred to as the **Basic Merit Marks** of the candidate.

Further if the candidate gets 60 marks out of 75 in the Entrance Test, his/her merit marks would be 40 out of 50.

$$\frac{60}{75} \times 50 = 40$$

His/her total merit marks would become 25+40=65 out of 100.

- (b) If the candidate who has passed B.A./B.Sc. Examination with Hons. or from Hons. School like system specializing in the respective subject he/she be given an additional weightage of 15% on the Basic Merit Marks of the qualifying examination (i.e. marks obtained out of 50) e.g.

If the candidate obtained 1200 marks out of 2400 his/her weightage under this clause would be :

$$\frac{1200}{2400} \times 50 \times \frac{15}{100} = 3.75$$

His/her total merit marks after adding weightage would get to 25+40+3.75=68.75.

(ii) **LL.M. (One Year)**

Criteria :

Written Entrance Test : 80%

Qualifying Examination : 20%

(iii) **M.A. Journalism and Mass Communication (2-Year Course)**

Criteria :

Written Entrance Test : 50%

Qualifying Examination : 50%

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 50.

Notes :

1. Only those candidates will be called for group discussion & interview, in order of merit, who have secured a minimum of 20% marks in the Written Test except in case of candidates belonging to Scheduled Castes/Scheduled Tribes who must secure a minimum of 15% 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) certificates in original before the commencement of Group Discussion/ Interview, failing which they shall not be allowed to participate in the Group discussion and interview.

8.6 Eligibility condition for B.Sc. (Hons. School) 2nd year and 3rd year :

(a) A student will be eligible to seek admission to B.Sc. (Hons. School) 2nd year only if he/she has passed B.Sc. (Hons. School) 1st year Examination.

(b) A student will be eligible to seek admission to B.Sc. (Hons. School) 3rd year only if he/she has passed B.Sc. (Hons. School) 2nd year Examination.

(Syndicate Para 5, dated 27.4.2002)

9. For Promotion to B.Sc. (Hons. School) and M.Sc. (Hons. School) Courses :

(i) The candidates of B.Sc. Hons. School shall have to qualify the minimum 50% of the total papers/credits attended by the candidates at the end of the 2nd and 4th semesters to be promoted to next year.

(ii) The candidates of M.Sc. Hons. School shall have to qualify the minimum 50% of the total papers/credits for promotion to second semester.

Note : A candidate can take admission in M.Sc. (Hons. School) only after one qualifies in all the papers of six semesters of B.Sc. Hons. School.

10. MBA (Full time), MBA (H.R.), MBA (I.B.) & MBA (Biotechnology)

The weightage has been prescribed as under :

- (i) Written test CAT Score = 85% (of the percentage of CAT Score)
- (ii) Group Discussion = 7.5%
- (iii) Personal Interview = 7.5%

11. M.A. (Education)

A person who have passed one of the following examinations from this University or from any other University whose examination has been recognized as equivalent to the corresponding examination of this university shall be eligible to join the First year (Part I) class of the M.A. course.

- (i) For Indian Nationals :

A graduate in any discipline/stream with 50% marks from recognized Indian Universities with B.Ed.

OR

The students who have studied Education; or Philosophy; or Psychology; or Sociology as an elective subject or honours course at first or second degree level with 50% marks.

- (ii) A student having 50% marks in the qualifying examination or equivalent grade from Foreign University having equivalent graduate degree certified by the Association of Indian Universities (AIU).

(Syndicate Para 22, dated 4.12.2009).

12. Admission to Master Courses on the basis of Aptitude Test

In the event, the Board of Control/Advisory Committee desires to conduct aptitude tests at the Department level for admission to M.A. Part-I class, the following procedure will be followed (besides the rules/regulations of Panjab University governing eligibility, equivalence and admission in a particular subject) :

- (i) Aptitude Test : 40%
- (ii) Academic weightage : 60%
 - (a) 10th Class : 10%
 - (b) 10+2 Class : 10%
 - (c) B.A./B.Sc./B.Com. : 25%
 - (d) (Hons.) in the concerned subject : 15%

Note : Aptitude test will be of one hour duration based on the syllabus of B.A. (in concerned subject) of Panjab University.

12.1 M.A. (Sanskrit) and M.A. (Gandhian & Peace Studies)

Only those candidates who secure at least 40% marks (35% for SC/ST) in the Entrance Test (to be conducted by the department), i.e. 16 out of 40 (14 out of 40 for SC/ST candidates), will be eligible for admission.

12.2 M.A. (History of Art)

The criteria for Admission will be as follows :

- (i) Aptitude Test : 40%
- (ii) Academic weightage : 60%
 - (a) 10th class : 10%
 - (b) 10+2 class : 10%
 - (c) B.F.A./B.A./B.Com. : 40%

Note: Only those candidates who qualify the aptitude test by securing at least 45% marks i.e. 18 out of 40 marks will be eligible for admission.

12.3 M.A. (Music Vocal/Instrumental) :

Only those candidates who qualify the Aptitude Test by securing at least 50% marks, i.e. 20 out of 40, will be eligible for admission.

A candidate shall opt the subject only if (a) he/she has passed in that subject in the B.A. examination or (b) is working as an approved teacher of Music in a recognised Higher Secondary School or in an affiliated college.

12.4 M.A. (Indian Theatre) :

For admission to M.A. (Indian Theatre) the criteria will be as follows :

- (i) Objective Type Written Test to be conducted by the Dept. 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 to be conducted by the Dept. 70 Marks (Only those candidates who qualify Objective Type Written Test and Specially Designed Performance Test by securing at least 50% marks in both, will be eligible).

12.5 Master in Social Work, Police Administration & Human Right & Duties

Admission will be through Qualifying examination and Entrance Test to be conducted at departmental level. Candidates satisfying the eligibility requirements will be assessed for selection through the following selection procedure.

- (a) Qualifying Examination : 50% weightage
- (b) Entrance Test : 50% weightage

(A) Qualifying Examination

The candidate's merit list will be prepared by normalizing the total marks obtained by the candidates in the Graduation (BA/B.Sc./B.Com. etc.) out of 50.

It is to be illustrated as under :

If a candidate has obtained 1200 (marks) out of 2400 (Grand Total) his/her marks would be

$$\frac{1200}{2400} \times 50 = 25$$

(B) Entrance Test

Entrance test will comprise of :

	<i>For Social Work</i>	<i>For Police Administration & Human Rights and Duties</i>
1. Written Test	(25% weightage)	30% weightage
2. Group Discussion	(15% weightage)	10% weightage
3. Interview	(10% weightage)	10% weightage

Written Test

All candidates are required to secure minimum of 35% marks in Entrance test (i.e. Written test, Group discussion and Personal interview) to qualify for admission. The written test will be of 50 objective type questions. The duration of the test will be of 40 minutes. The medium of examination is English only. The Entrance test paper is designed to assess the aptitude of the candidate for Social Work.

12.6 Five Years Integrated B.Sc. & M.Sc. in Fashion & Lifestyle Technology

1. An aptitude test to assess the skill of candidates in free hand drawing, 3D sketching, designing Creative and general ability needed for this course.
2. Communication skills will be tested through an interview.
3. Distribution of marks for the aptitude test, interview and academics will be as follows :

Academics	:	20%
Preference Criteria	:	10%
Aptitude & Objective Test	:	60%
Interview	:	10%

12.7 Diploma in Translation Hindi to English (Hindi Deptt.)

Computation of Marks :

1. Qualifying Marks (B.A./B.Sc./B.Com. etc.)	50% weightage
2. Written Test	50 marks
	Total (Out of 100 Marks)

Other weightages to them are given as prescribed in section 16.1.

Additional Weightages

- (i) Hons. (Hindi, Sanskrit, English) 5 marks.
 - (ii) M.Sc./M.A. (First Class 10 Marks, Second Class 7 marks, Third Class 4 marks).
 - (iii) M.Phil. – 5 marks and Ph.D. – 10 marks.
 - (iv) Functional Hindi : I Class - 10 marks. II Class- 7 marks, III Class -4 marks.
- Subject to a Maximum of 10 marks in all the above four [(i) to (iv)] taken together.

12.8 (A) Master of Engineering in S.S.B.U.I.C.E.T.

M.E. (Food Technology) :

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).

Admission on the basis of Aptitude Test conducted by the Institute or as decided by the Syndicate GATE qualified candidate, will be exempted from the Aptitude Test and in case of eligible GATE

qualified candidates the merit list will be as per the Percentile obtained and shall be offered the seat at the first instance.

M.E. (Chemical with specialization in Environmental Engineering) :

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.

Admission on the basis of Aptitude Test conducted by the Institute or as decided by the Syndicate GATE qualified candidates will be exempted from the Aptitude Test and in case of eligible GATE qualified candidates the merit list will be as per the Percentile obtained and shall be offered the seat at the first instance.

(B) Master of Engineering in U.I.E.T.

M.E. (Mechanical Engineering) :

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 the Panjab University as equivalent thereto.

M.E. Electrical Engg. (Power System) :

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.

M.Tech. Material Sciences & Technology :

M.Sc. (Physics), M.Sc. (Chemistry), B.E. (Mechanical/Electrical/Electrical & Electronics/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 CRITERIA FOR M.E./M.TECH.

Admission is on the basis of Aptitude test to be conducted by the Institute and Interview according to the following criteria :

Academic Weightage	:	50%
Entrance Test	:	50%

GATE Qualified candidates will be exempted from the Aptitude Test. However, in case of eligible GATE qualified candidates, the merit list be as per GATE Score obtained and shall be offered the seat at the first instance.

13. 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. No weightage is, thus, to be given on the basis of B.A. marks even in the relevant subject.

14. Compartment Candidates :

“a candidate who is 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) The subject in which he/she has to re-appear is not offered for the M.A. First Year examination; 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”.

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

The vacant seats in each category may be filled by the respective Boards 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.

16.1. 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.

- (i) 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.**
- (ii) 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 the year of admission. 1% weightage shall be given for each of these categories, except in the case of NCC and Adult Education, for which weightages are given as under :

(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. (*1% marks for each camp Minimum 7 days camp)

*The certificate awarded to the students under the seal of the Panjab University/Other Universities/D.P.I./D.E.O. regarding participation in the NSS Camp sponsored by the Govt. of India, may be considered.

Participation in Advanced
Youth Leadership Training Camp
Participation in Youth Leadership Training Camp
Participation in Advanced Mountaineering
Participation in Hiking/Treking
Participation in Mountaineering

1% marks per camp per year (minimum 7 days camp) upto maximum of 3% marks (maximum of 3 camps)

(ii) Level of the festival	First	Second/Third	Participates
International festival (G.I.O. recognised, representing the University/recommended by the Youth Welfare Department, P.U.)	3.0	2.5	2.0
National Inter University/Inter State Festival	2.5	2.0	1.5
North Zone/Punjab State/University Inter Zonal Festival	2.0	1.5	1.0
University Zonal Festival	1.0	0.5	–

Subject to maximum 3 marks

Students coming from other Universities shall also be considered at per for weightage as tabled above.

OR

ADULT EDUCATION :

(1) For students who are running adult education centres :

- | | | |
|-------|---|----------------------|
| (i) | For making 10 students literate | Credit point = 0.35% |
| (ii) | For making 15 students literate | Credit point = 0.65% |
| (iii) | For making more than 15 students literate | Credit point = 1.00% |

Norms of proficiency in literacy would be as laid down by the Directorate of Adult Education, Ministry of Human Resource Development, (G.O.I.).

(2) For the student volunteers of mass involvement for functional literacy :

- | | | |
|-------|--|----------------------|
| (i) | For making 2 students literate | : Credit point=0.35% |
| (ii) | For making 4 students literate | : Credit point=0.65% |
| (iii) | For making more than 4 students literate | : Credit point=1.00% |

Persons claiming credit on this account will obtain the desired certificates from the Director, Centre for Adult Continuing Education, Panjab University, Chandigarh.

(Vide Syndicate Para 16, dated 16-5-1987)

(iii) Any other weightage approved by the D.U.I./Vice-Chancellor.

A Candidate can claim weightage in one or more categories given above. However, the total weightage allowed shall not exceed 9% of the normalized marks obtained in qualifying examination.

These weightages shall not be used for determining eligibility for admission as prescribed by the University under its Regulations.

16.2. Additional weightages will be available to the following categories of candidates as indicated :

(i) **M.P.Ed.**

- (a) A person getting any of the first three positions in the Olympic/World Game/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 abroad and within the country. 30 marks
- (d) 1st position in All India Inter-University/Senior National approved games competition conducted by the respective Federations. 20 marks
- (e) 2nd position in the above said competitions. 15 marks
- (f) 3rd position in the above said competitions. 10 marks
- (g) 1st position in Zonal Inter-University competitions. 9 marks
- (h) 2nd position in the above said competitions. 8 marks
- (i) 3rd position in the above said competitions. 7 marks

(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) 1st position in All India Inter-University/Senior National approved Games/competition conducted by the respective Federations. 20 marks
- (e) 2nd position in the above said competitions. 15 marks
- (f) 3rd position in the above said competitions. 10 marks
- (g) 1st position in the Zonal Inter-University competitions. 9 marks
- (h) 2nd position in the above said competitions. 8 marks
- (i) 3rd position in the above said competitions. 7 marks
- (j) 1st position in the Inter College/State approved Games/competitions. 6 marks
- (k) 2nd position in the above said competitions. 5 marks
- (l) 3rd position in the above said competitions. 4 marks

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

17. 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.

18. Interviews :

All the candidates whose names appear on the provisional merit list shall, prior to admission, be interviewed by the Board of Control of the subject concerned or a Committee of the Board of Control constituted by the D.U.I/Vice-Chancellor. **Candidates who do not appear for the interview will not be considered for admission.**

The candidates must produce all the relevant certificates in original for verification at the time of interview, failing which they will not be considered for admission.

19. Preparation of final Merit list/Waiting list :

After interviewing the candidates and taking into account all the criteria of admission applicable (for instance, the scores, plus weightages, or the addition of admission/aptitude test scores, where applicable, etc.) each Department/Centre/Joint Admission Cell shall prepare a final list of selected candidates. This list shall be signed by the members of the Board of Control/Committee of the Board of Control approved by the D.U.I./Joint Admission Cell, certifying that the list has 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 list (in duplicate) for the D.U.I's approval.

- (i) provisional merit list of all candidates category-wise.
- (ii) final merit list of candidates recommended for admission category-wise and their application forms, and
- (iii) the list of candidates placed on the waiting list, if any, category-wise.
- (iv) Attendance of all the Candidates.

If a candidate, whose name is on the provisional list, 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.

20. Revision of Merit & placement of Applicants :

A candidate whose merit is revised consequent upon the late declaration of Hons. result or General result and his/her merit falls among the candidates in the merit list of selected candidates, category wise, his/her name be placed at the top of the waiting list.

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

21. Rejection of incomplete Application Forms

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

22. Cancellation of Seat/Admission

Admission of all such students who fail to attend atleast 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 :

1. 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/practicals shall be put up

on the Department Notice Board. Within 4 days of the date of such notice, a student who is so short of attendance may give in writing the reasons for his absence from the classes.

2. 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.
3. All the seats thus falling vacant shall be filled from the waiting list or through subsequent counselling before the expiry of the last date fixed for admissions by the University.
4. When the admission of the students is cancelled as stated above, the Department shall display on the Department Notice Board the list of the person(s) next in the waiting list and make admissions accordingly.

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.

23. Admission for late applicants with high merit.

Before considering candidates placed on waiting list for admission, a Board of Control or Admission Committee or Joint Admission Cell may admit a late applicant in the open/reserved category for sufficient cause with the prior approval of the D.U.I./ Vice-Chancellor, but only if his/her merit falls in the merit of the first 25% of the applicants admitted in the open/reserved category.

Late admissions shall not be allowed where;

- (i) no seats are available;
- (ii) the last date of admission as prescribed by the University is over.

24. Admission of students whose results are revised as a consequence of re-evaluation or otherwise late declaration of result, can be made only if :

- (i) Seats are 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, 2005 at page 398 will be followed in case of re-evaluation cases :

“If as a result of Re-evaluation, a candidate passes at the examination, 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. In the case of admission to a course having Semester Exam. the date will be Oct. 15th.

In the case of late declaration of results due to any reason other than re-evaluation :

That in the case of Panjab University students who had already appeared in any of its examinations and the result was declared late for one reason or the other, while they were in the midway of the course/class, the admission to the next class/course be allowed within 10 days from the date of declaration of the result, without any late

fee but not later than 31st December of the academic session. In the case of admission to a course having Semester Exam. the date will be Oct. 15.

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

25. Verification of Certificates :

All certificates submitted by the candidates at the time of submission of Admission Form in support of their claims **shall be checked against the originals at the time of interview.**

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, as for re-evaluation etc., a copy of the certificate duly attested by a Class-I Officer of the University or a Gazetted Officer may be considered, after a satisfactory explanation from the candidate. Admissions based on such certificates shall be treated as provisional.

- (i) The form of application prescribed by the authority from which a certificate submitted by the candidate in support of a claim made by him/her should be obtained. No deviation from this shall be made.
- (ii) The Character Certificate submitted by a candidate, as required in the form of application, shall be from the Head of the Institution/University Department last attended.
- (iii) A certificate, submitted by the candidate in support of a claim made by him/her, should be in the format prescribed by the issuing authority.

No deviation from this shall be made.

26. Certificate concerning gap years :

Candidates whose career reflects a gap of years between passing of the last examination and the admission being sought now by them, are required to furnish, at the time of application, an affidavit to the effect, attested by the Magistrate 1st class/Notary that they were not involved in any Offence/Unlawful activities during the gap years. The Chairpersons/Chairperson, Joint Admission Cell shall satisfy themselves that, during this gap period, the candidates were engaged either in service or in studies.

27. 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.

28. Medical check-up :

A candidate selected for admission is required to submit a Medical Certificate of Physical Fitness can be obtained from (i) CMO, Panjab University Health Centre after depositing prescribed fee at the SBI extension counter, Panjab University, or (ii) any Govt. Hospital/ any Govt. Dispensary. 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 medical fee.

29. Admission of ICCR-Sponsored Students :

The Vice-Chancellor shall be authorized to admit ICCR (Indian Council of Cultural Relations) sponsored students by creating additional seats on the recommendations of the Board of Control of a Department.

30. Creation of additional seats for candidates qualifying their lower examination with a Vocational subject :

5% additional seats may be created in a Department for candidates who have passed their lower examination with vocational subject, after obtaining permission of the DUI/Vice-Chancellor.

31. In the event of any difference in the interpretation between these, Handbook of Information & Rules for Admission 2014 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 alongwith the recommendations of the Board of Control for consideration to the D.U.I./V.C whose decision shall be final.

Dean of University Instruction

**SPECIMEN OF FORMS OF CERTIFICATES TO BE ATTACHED TO
ADMISSION FORMS WHEREVER APPLICABLE
CERTIFICATE OF BELONGING TO A SCHEDULED CASTE/TRIBE**

Despatch No. _____ Dated _____
Certified that _____
son/daughter of Shri _____
resident of _____
District _____ State _____ an
applicant for admission to _____ course
of Panjab University, Chandigarh, belongs to _____
_____ caste of Scheduled Caste/Tribe which is
recognised by _____
State Government.

Name of the
Certifying Officer _____ * S.D.M./Tehsildar
Designation _____ (with office seal)

*Certificate from no other authority will be accepted.

VERIFICATION OF SC/ST CERTIFICATES

The admission of 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 concerned department as required in the U.G.C. letter circulated by D.R. (Academic/Colleges) vide his endst. No. 5201-5350/Spl. Cell/SC/ST dated 30.9.1991.

**CERTIFICATE OF BELONGING TO
A BACKWARD CLASS**

Despatch No. _____

Dated _____

Certified that _____
son/daughter of Shri _____ belongs
to _____ Cast which
falls in the category of backward class in accordance with the latest _____
_____ (State) Govt. Circular No. _____
_____ dated _____ issued by

(authority)

Name of the Certifying Officer

Signature of the

S.D.M./Tehsildar

Designation _____

(with office seal)

CERTIFICATE OF PHYSICALLY HANDICAPPED CANDIDATE

Despatch No. _____

Dated _____

**TO BE ISSUED BY MEDICAL AUTHORITY OF A
GOVERNMENT HOSPITAL**

1. Name of the candidate _____
2. Father's Name _____
3. Permanent address _____

4. Percentage of loss of earning capacity in words _____
5. Whether the candidate is otherwise able to carry on studies and perform duties _____
6. Name of the disease/cause of handicap _____
7. Whether handicap is temporary or permanent _____
8. Whether handicap is progressive or non-progressive _____

Name of the Certifying Officer
Designation _____

Signature of authorized Medical Officer
(Legible Office Stamp)

**CERTIFICATE OF DEATH/INCAPACITATION OF
MILITARY PERSONNEL IN ACTION**

Despatch No. _____

Dated _____

Certified that _____ an
applicant for admission to _____ course
Panjab University, Chandigarh, is the son/daughter of Shri _____
(mention rank also). Shri _____ was
killed/incapacitated in action on _____
(mention date), and his death/incapacitation did not occur due to an accident while performing a routine
duty pertaining to job requirement.

Name of the Certifying Officer

Designation _____

Signature of authorised Military Officer
(with office seal)

**CERTIFICATE TO BE FURNISHED BY FOREIGN NATIONALS/PIO/NRI
CANDIDATES**

I _____ son/daughter of _____ Resident
of _____

(give full address)

of _____ and father/mother of

(give exact category/status of immigrant)

Shri/Miss/ _____

resident of _____ who is seeking admission in the department/
institution of Panjab University, Chandigarh declare and affirm that :

I shall be responsible for timely payment of prescribed tuition fees (payable annually) and all other dues and charges in full (and not in parts/instalments) to the Panjab University, Chandigarh, immediately after the admission is granted to the above candidate as also during the subsequent years of studies.

Tuition fee shall be paid by me in the form of Bank Draft in U.S. Dollars/Pounds/ Sterling/Euros or equivalent amount in Indian currency payable to the Registrar, Panjab University at Chandigarh alongwith a bank certificate for encashment of foreign currency of the like amount.

In addition to tuition fee, I shall also pay all other dues and charges to the Panjab University as payable by other students of the same class belonging to the same category in foreign currency or in Indian Rupees as per University Rules and Regulations.

I understand that in case of failure to pay fees and dues on time, the admission will automatically stand cancelled and fee already paid will not be refundable. Neither I nor the candidate Mr./Miss _____ shall have any claim against the University on any account whatsoever.

Signature _____

of the Mother/Father of the candidate

Dated : _____

Place : _____

Note : The above stated certificate should be submitted on Court Paper and must be attested by a Notary Public at the place and country where he/she is residing at the relevant time.

GUIDELINES FOR ADMISSION TO THE RESERVED CATEGORY OF SPORTS

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 candidates not applying for admission in this category.

1. Each applicant 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 application form along with the all relevant documents after paging all the documents will submit in the office of the Directorate of Sports, (Gymnasium Building), P.U. Chandigarh before last date.

- a) Self attested photocopies of sports certificates
- b) Class 10th and class 10+2 and B.A. detailed marks certificate showing date of birth
- c) Affidavit of sports achievement (Annexure-III) duly attested by a Notary/Magistrate class I/II on a stamp paper of Rs. 5/- or 10/- .
- d) Roster form/list of players duly attested by the competent authority of concerned tournament/championship. The photograph of the player should also be pasted on the certificate duly attested by the competent authority of concerned tournament/championship¹.

2. The DUI has the authority to cancel admission at any time, if it is found that the candidate obtained such admission on the basis of a false certificate or incorrect statement/record.

3. Students seeking admission under this category will be considered for admission only in the games disciplines in which the Panjab University sends its teams for participation in the Inter University tournaments (for the inclusion of such games and discipline see Annexure-I). However in the game of Kabaadi (Punjab Style) and Gatka Inter College tournaments conducted by the various Universities will also be considered for the admission.

4. Reservation under Sports Category is meant only for those active² sports person who would participate in the Campus, University, National, International level sports tournament. Such students will be considered for admission only if:

- (i) Their achievement in sports relates to their activities in any of the three years immediately preceding the year of admission³ (relaxable to 4 years in exceptional cases, on merit, for outstanding sportspersons)⁴.
- (ii) If they are otherwise also eligible for participation in Inter College, Inter University, National and International Sports Tournament as per Association of Indian Universities rules (see Annexure II).
- (iii) If the performance of the candidate in the trial is not satisfactory, his/her candidature can be rejected.
- (iv) No document including affidavit etc. will be accepted after the last date of submission of admission form neither by the concerned Department nor by the Directorate of sports. However, in case any sports person earn any achievement up to June 30, 2014 he/she may submit supplementary copy of the document to the concerned deptt. as well as Directorate of Sports along with additional affidavit.

1. Secretary/Director/President of game concerned Association/Federation/Department/Directorate.

2. 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 fall within the age group which is eligible for participation in Inter College/Inter University Competition.

3. Preceding three years means from 1st July 2010 to 30th June 2013.

4. Securing first three positions 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 of Ministry of Youth Affairs & Sports, International Olympic Committee.

- (v) Atleast two times sports participation in the same game is compulsory for the students seeking admission under this category (within the prescribed period of three years i.e. from 1st July, 2011 to 30th June, 2014). The minimum level of sports participation to be considered for supporting certificate will be Inter School (State Level)/Inter College/ State participation.

5. A committee constituted by the Vice-Chancellor shall screen all the applications under this category through interviews and by holding actual sports trials in the respective games on the Panjab University Grounds, Chandigarh and other venues in Chandigarh as per Schedule of Trials (Annexure-VI). The date of sports trials will be informed by the respective Department in which the applicant applied for admission. Only such applicants will be allowed to appear for the interviews and actual sports trials, whose application are found in conformity with the requirement/qualifications mentioned in the Guidelines by the Directorate of sports. Applicants are to appear for interview with all the original sports certificates and all the academic certificates.

6. The Directorate of Sports, Panjab University, shall take an undertaking in the form of an Affidavit (Annexure-IV) on a Stamp Paper of Rs 5/- or 10/- duly attested by the Notary/Magistrate Class I/II from the students that they will attend the grounds regularly and would also participate in the Inter College, Inter University, 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) A student falling under category 'A' shall be placed higher in merit than a student falling under category 'B'. Similarly, a student falling under category 'B' shall be placed higher in merit than a student falling under category 'C' and so on.
- ii) Likewise, within each category a student falling in category 'A' (1) will be placed higher in merit than a student falling in category 'A' (2) and so on.
- iii) A student who attains first position in a competition shall be rated higher in merit than the one who gets second position in a competition of the same level. Similarly, second position will be rated higher in merit than the third in the same level of competition and so on.
- iv) If there is a tie within the same category, the tie shall be resolved by considering the "academic merit"⁵ and even then if there is tie, it will be resolved by the seniority in age i.e. date of birth of the student and such tie will be resolved by concerned Department in which 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 grading criteria in Annexure-V.

9. The case of sports person with achievements in games/disciplines not included in Annexure-I but excelling⁶ at International level shall be recommended by University Director of Physical Education and may be considered by the Vice-chancellor for admission to a particular course by creating an additional seat to the extent of 2% seats in the respective course. These seats shall be treated as being in addition to the approved strength of the course in that year only. Sports persons wishing to avail Clause 9 should submit a separate application along with the concerned department's Admission Form.

5. Where there is an entrance test, tie shall be resolved by considering marks obtained in entrance test only.

6. Excelling at International level means representing the country in the International tournament recognized by the International Olympic Committee/Indian Olympic Association.

10. Not less than 75% attendance in sports grounds for all those students admitted against reserved category of sports shall be a condition precedent for appearing in the examination.

11. When student is required to abstain from the Department for participation in Inter College/ Inter University/National/International sports Tournaments, he/she shall give prior information to the Chairperson of the concerned Department.

12. If a student 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 Directorate of Sports, Panjab University, Chandigarh.

13. 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, Inter College, Inter University, National and International level tournament.

14. In case a student 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 by the University Chief Medical Officer will be accepted.

15. In case there are more than one Association and/or National Federation in any game, the University will entertain and consider only such applicants in Sports Category who have certificate issued by concerned State Association duly recognized by the concerned State Olympic association and/or National Federation duly recognized by the Indian Olympic Association. Certificates issued by the concerned State Association not recognized by State Olympic Association and/or National Federation not recognized by Indian Olympic Association will not be considered by the University for any purpose.

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.

16. Certificate on Letter head will be considered as a 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.

17. It is mandatory for all who have been admitted under 5% reserved category of sports to attend the grounds regularly and participate actively in Inter-College, Inter-University and Nationals if selected and it will also be mandatory for them to get No Objection Certificate from the University Director of Phy. Edu., Panjab University before appearing in the Semester/Annual Exam otherwise they will not be issued Admit Card/Roll Nos. by the Chairperson/Director of the concerned departments.

ANNEXURE-I

Games/Discipline on the basis of achievement in which claims to admission in the category of Reserved Seats for Sports can be considered. The new games can be added if the Panjab University sends its teams for Inter-University Competitions.

Sr. No.	Game	Section
1.	Archery	(Men & Women)
2.	Athletics	(Men & Women)
3.	Aquatics (Swimming & Diving M&W), Waterpolo	(Men)
4.	Badminton	(Men & Women)
5.	Ball Badminton	(Men & Women)
6.	Basketball	(Men & Women)
7.	Baseball	(Men & Women)
8.	Best Physique	(Men)
9.	Boxing	(Men & Women)
10.	Canoeing (M) & Kayaking	(Men & Women)
11.	Chess	(Men & Women)
12.	Cricket	(Men & Women)
13.	Cross Country	(Men & Women)
14.	Cycling (Road & Track)	(Men & Women)
15.	Fencing	(Men & Women)
16.	Football	(Men & Women)
17.	Gatka	(Men & Women)
18.	Gymnastics Artistic	(Men & Women)
19.	Handball	(Men & Women)
20.	Hockey	(Men & Women)
21.	Judo	(Men & Women)
22.	Kabbadi (NS)	(Men & Women)
23.	Kabbadi (PS)	(Men & Women)
24.	Kho- Kho	(Men & Women)
25.	Korfball	(Men/Women)
26.	Netball	(Men & Women)
27.	Power lifting	(Men & Women)
28.	Rowing	(Men & Women)
29.	Rhythmic Gymnastics	(Women)
30.	Shooting (Air-Pistol & .177 Air Rifle Peep Sight)	(Men & Women)
31.	Softball	(Men & Women)
32.	Squash	(Men)
33.	Table Tennis	(Men & Women)
34.	Taekwondo	(Men & Women)
35.	Tennis	(Men & Women)
36.	Volleyball	(Men & Women)
37.	Weight-Lifting	(Men & Women)
38.	Wrestling	(Men & Women)
39.	Yachting	(Men & Women)
40.	Yoga	(Men & Women)

ELIGIBILITY

Revised FISU Eligibility Rules for Participation of Students in National and International University Games : with effect from 2013-2014 onwards

A. Eligibility Rules :-

1. Only a bonafide student, who is currently and officially enrolled/registered for a degree or diploma at the university/college whose status is recognized by the appropriate authority of the country, which is of a minimum duration of one academic year and whose examination is conducted by the university shall be eligible to participate in Nationals University Games.

1.1 M.Phil. and Ph.D. students will also be eligible to participate only if in terms of the concerned University's rules they are regarded to be bonafide students and fulfil other conditions laid down in this behalf.

2. All eligible students while participating in National University Games/Championships shall fulfil the following essential conditions:-

(a) Not more than 9 years have elapsed since a student passed the examination qualifying him/her for first admission to a degree or diploma course of university or college affiliated to a university.

(b) The nine year eligibility period for participation of students in competitions shall be distributed as under:-

i) Not more than 5 years after passing/qualifying 10+2 examination or equivalent examination while studying in Under Graduate Courses/Degrees.

ii) Not more than 4 years after passing/qualifying Graduate Course/Degree while studying in Post Graduate Courses/Degrees. This period also includes M. Phil and Ph. D. Courses.

Note : The period of Post Graduate Course will be counted after passing Graduate Course/Degree)

For the purpose of determining number of years under the revised FISU Eligibility rules for participation:-

(c) Graduate Course shall be treated to be those where the admission is sought after passing 10+2 or equivalent examination, as the case may be.

(d) All other Professional Courses where admission is obtained after passing Graduate Degree Examination(s), e.g. LL.B., MBBS, BCA, BBA, B.Ed., B.P. Ed & B. Lib. etc. will be clubbed together with other Postgraduate Courses like M.A., MBA, M.Sc., M.Com., M. Lib., M.Ed. and M.P. Ed etc, as the case may be.

3. Only the competitors who satisfy the following conditions shall considered to be eligible to participate in the National/International University Games/Championships:-

(a) Be a national of the country they represent;

(b) Only students who are less than 28 years of age as on first July of the academic year in which the tournament is held, can participate.

4. A student who is employed on full time basis shall not be eligible to participate in National/International University Games/Championships. However, student(s) who receiving nominal stipend only, from Public or Private Sector(s), as the case may be, towards financial assistance to support/continue studies can also participate in National/International University Games, provided he/she submit "No Objection Certificate" (NOC) from the respective Department/Organization, categorically stating that he/ she is stipend holder only and permitted to participate in National /International University Games, while pursuing study after his/her admission in a college / university is regularized.
5. A student shall not be allowed to represent more than one university in National/International University Games during a single or same academic year.
6. Provisional admission to a course/degree of university or college shall not make the student(s) eligible to represent the university in National/International University Games.
7. In the case of a student migrating from one University to another, his/her migration case will be considered eligible only after his/her admission in the new university is regularized and he/she is admitted as a bonafide and eligible student by the new University.

B. Explanation :-

1. In case of student(s) changing from one course to another, the period spent in the previous course before joining the new course shall be counted towards total period of eligibility for the purpose of participation in National/International University Games.
2. One year means the academic year in which the tournament is held irrespective of whether the student's result is declared or not. It will normally extend from 1st July of one year for 12 calendar months to the next year.
3. A bonafide student may not be considered to be eligible to participate in National/International University Games if he/she does not pass/qualify a particular class within the period of two years, both at Graduate and Post Graduate Courses/Degrees. However, duration/length of both the courses will remain unchanged such as not more than five years after passing 10+2 examination or equivalent examination in Under Graduate Courses. Similarly, not more than four years after passing Graduate Courses while studying in Post Graduate Courses including M.Phil or Ph.D. Courses, as the case may be.
4. Interchange of faculty may be allowed to participate in National/International University Games irrespective of his/her having passed the class/course but he/she should have participated only once in that particular class before seeking admission for pursuing the second one.

If the candidate participates for two years in one particular class and if he/she changes course for the identical year, he/she may not be eligible to participate in National/International University Games for the remaining period of his/her eligibility for participation in sporting events, unless he/she passes first year of the newly opted course/class, in this regard.

C. Disqualification :-

1. Any disqualification of a sportsperson on the grounds of ineligibility will result in automatic scratching of his/her team, for that academic year. The team may be debarred from participating in National/ International University Games to be held in the following year, if necessary.
2. A sportsperson disqualified on the basis of ineligibility shall not be permitted to participate in National/ International University Games in the next year, if necessary.

3. It shall be obligatory for those players, who are selected to represent Indian Universities Team(s) in National/International University Games, If they represent some other organization/state without permission of AIU, and their respective university/college, they shall be debarred from participation in National University Games for the period of three years and disciplinary proceedings shall be initiated in accordance with existing rules.
4. It shall be mandatory for those to participate in Inter University Tournaments, who joined Private or Public Sector(s) on nominal stipend basis only, for getting financial assistance to support/continue their study in universities/colleges, provided their admission is based on sports quota earmarked for encouraging sports excellence in university sector.
5. The host university shall have the power to debar the athlete(s) or search the team(s), if found guilty for their involvement in the incidents of violence during National University Games : 2013-14, after following the process of independent enquiry and recommend to the concerned universities to cancel the admission of such defaulting sports persons.
6. Those sportspersons who are found/tested positive on the basis of samples conducted and analyzed by NADA, confirming that banned (doping) was used/consumed for enhancing their athletic performance, shall be debarred from participation in National/International University Games for the period as specified in the report of National Anti Doping Agency (NADA) with a view to make sports drug free in university sector.

ANNEXURE-III

PROFORMA OF AFFIDAVIT FOR SPORTSPERSONS CATEGORY
(On Non-Judicial paper for Rs. 5/- or 10/- duly attested by Notary/Ist/Ind Class Magistrate)

AFFIDAVIT

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.					
4.					
5.					

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, I shall be liable for criminal action in terms of the provisions contained in the Indian Penal Code.

DEPONENT

VERIFICATION

I, the above mentioned deponent do hereby solemnly declare and affirm that the above content are true to the best of my knowledge and belief and nothing has been concealed therein.

DEPONENT

NOTE : IN CASE OF MINOR, THE AFFIDAVIT SHALL BE FILLED IN BY HIS/HER PARENTS/ GUARDIANS WITH SUITABLE AMENDMENTS.

AFFIDAVIT

(On Non-Judicial paper for Rs. 5/- or 10/- duly attested by Notary/Ist/Ind Class Magistrate)

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-College/ Inter-University/National/International Sports Tournaments as may be required by the Deputy Director, Phy. Edu. Or the University Director of Physical Education, Panjab University, I shall have no claim on any account whatsoever against the Department or against the University.

Deponent

VERIFICATION

I solemnly declare that the above statement is correct to the best of my knowledge and belief and that nothing has been concealed therein.

Deponent

GRADING FOR SPORTS PERSONS

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/International Federation/respective National Federation and State Association.

CATEGORY 'A'

1. A person getting any of the first three positions in the Olympic Games/World Cup Tournament/Commonwealth Games/Afro-Asian Games/Asian Games/ Asian Championships/World Universities Games (FISU)/Davis Cup/Grand Slam in Tennis.
2. A person getting any of the first three positions in the S.A.F. Games
3. A person representing India in the Olympic Games/World Cup Tournament/Commonwealth Games/Afro-Asian Games/Asian Games/ Asian Championships/World Universities Games (FISU)/Davis Cup/Grand Slam/SAF Games.
4. A person getting any of the first three positions while representing National team of Juniors in the International tournaments abroad and within the Country.

CATEGORY 'B'

1. A person representing India in International tournaments or official test for seniors abroad and within the country.
2. A person included in the All India Combined Universities team for International tournaments abroad and within the country.
3. A person representing India in International tournaments or official test for juniors abroad and within the country.
4. A person getting any of the first three positions in the National games.
5. A person getting any of the first three positions in the All India Inter University tournaments/Senior National Championships/Inter state tournament for senior/Vizy Trophy tournament.
6. A person representing National teams for Schools in the International tournaments or official test within the country and abroad.
7. A person getting any of the first three positions in the Zonal Inter University meet or Championship.
8. A person getting any of the first three positions in the National Championships for Juniors.
9. A person getting any of the first three positions in the National Championships for Youth.
10. A person getting any of the first three positions in the National Championships for Schools conducted by SGFI (School Games Federation of India).
11. A person getting any of the first three positions in the Federation Cup for Seniors.
12. A person getting any of the first three positions in the National Women Sports Festival.
13. A person getting any of the first three positions in the Nehru Cup (For Hockey only).
14. A person getting any of the first three positions in the National Zonal meet or Championship for senior (the Zonal tournament will be considered if atleast 5 teams participated in the same.)

CATEGORY 'C'

1. A person included in the State/Union Territory teams in the National Games.
2. A person included in the Panjab University team in the Inter University Tournaments or represented the State/Union Territory teams in the Senior National Championships/Inter-state for seniors.
3. A person included in the University team other than the Panjab University in the Inter University Tournaments.
4. A person included in the State/Union Territory junior teams in the National Championships.
5. A person included in the State/Union Territory Youth teams in the National Championships.
6. A person included in the State/Union Territory School/CBSE/Kendriya Vidyalaya Sangathan teams in the National School Games conducted by SGFI (School Games Federation of India).
7. A person included in the State/Union Territory teams in the Federation Cup for seniors.
8. A person included in the State/Union Territory teams in the National Women Sports Festival.
9. A person getting any of the first three positions in All India inter-Professional University Sports Meet of Agriculture, Law, Medicine, Technical and Management Universities.
10. A person included in the Professional University team in Inter-Professional tournaments.
11. A person getting any of the first three positions in the Inter College tournaments other than Professional Universities.
12. A person getting any of the first three positions in the Inter College tournaments of Professional Universities.
13. A person getting any of the first three positions in the Inter-Distt./Union Territory Championships for Seniors.
14. A person getting any of the first three positions in the State Junior/Union Territory Championships for Juniors.
15. A person getting any of the first three positions in the State School/Union Territory School Games.
16. A person getting any of the first three positions in the State Youth/Union Territory Championships/ tournaments.

CATEGORY 'D'

1. A person getting any of the first three positions in the University 'B' Division and 'C' Division Inter College tournaments.
2. A person getting any of the first three positions in the Residential University/P.U. Campus Championships or tournaments.

ANNEXURE-VI

Schedule of the Trials for the Reserved Category of Sports.
Venue : Panjab University Grounds, Near Basketball Courts
(In case of rain the venue can be shifted)

Reporting Time : 9.00 a.m.

Trial Time : 9.00 a.m. to 12.00 Noon

Sr. No.	Game	Section	Date
1.	Athletics	(Men & Women)	15.07.2014
2.	Cross Country	(Men & Women)	-do-
3.	Archery	(Men & Women)	-do-
4.	Ball Badminton	(Men & Women)	-do-
5.	Basketball	(Men & Women)	-do-
6.	Baseball	(Men & Women)	-do-
7.	Softball	(Men & Women)	-do-
8.	Cricket	(Men & Women)	-do-
9.	Gatka	(Men & Women)	-do-
10.	Volleyball	(Men & Women)	16.07.2014
11.	Hockey	(Men & Women)	-do-
12.	Football	(Men & Women)	-do-
13.	Kabbadi (NS)	(Men & Women)	-do-
14.	Kabbadi (PS)	(Men & Women)	-do-
15.	Kho- Kho	(Men & Women)	-do-
16.	Korfball	(Men/Women)	-do-
17.	Netball	(Men & Women)	-do-
18.	Tennis	(Men & Women)	-do-
19.	Handball	(Men & Women)	-do-
20.	Squash	(Men)	17.07.2014
21.	Aquatic (Swimming & Diving (M&W), Waterpolo (M)		-do-
21.	Swimming	(Men & Women)	-do-
22.	Canoeing (M) & Kayaking	(Men & Women)	-do-
23.	Rowing	(Men & Women)	-do-
24.	Yachting	(Men & Women)	-do-
25.	Cycling (Road & Track)	(Men & Women)	-do-
26.	Shooting (Air-Pistol & .177 Air Rifle Peep Sight)	(Men & Women)	-do-
27.	Badminton	(Men & Women)	18.07.2014
28.	Best Physique	(Men)	-do-
29.	Power lifting	(Men & Women)	-do-
30.	Weight-Lifting	(Men & Women)	-do-
31.	Boxing	(Men & Women)	-do-
32.	Judo	(Men & Women)	-do-
33.	Chess	(Men & Women)	-do-
34.	Fencing	(Men & Women)	-do-
35.	Gymnastics Artistic	(Men & Women)	-do-
36.	Rhythmic Gymnastics	(Women)	-do-
37.	Table Tennis	(Men & Women)	-do-
38.	Taekwondo	(Men & Women)	-do-
39.	Wrestling	(Men & Women)	-do-
40.	Yoga	(Men & Women)	-do-

IMPORTANT NOTE

‘The rules incorporated in this Handbook are subject to the over-riding effect of the relevant Regulations and Rules contained in the P.U. Calendars as also the resolutions adopted by the Syndicate. In case of any inconsistency between what is said in Handbook of Information and that in the Regulations & Rules etc., the latter shall prevail.’