IX. FACULTY OF PHARMACEUTICAL SCIENCES

UNIVERSITY INSTITUTE OF PHARMACEUTICAL SCIENCES

ABOUT THE INSTITUTE

The University Institute of Pharmaceutical Sciences (UIPS) was established in Lahore in 1944 and got re-located on the campus of Panjab University, Chandigarh in 1959. The Institute is one of the most prestigious academic organizations committed and catering to excellence in all the domains of pharmaceutical sciences. More than 3700 research papers, 250 Ph.Ds, 71 books, 56 patents granted, 36 published & filed, numerous national and international awards, and meritorious recognitions to the faculty are some of the notable accomplishments of the Institute. A few of the remarkable discoveries of new medicines have seen the reality of industrial commercialization after their successful technology transfers. Three of the faculty members have been elected as National Presidents of the prestigious Indian Pharmaceutical Congress too. The alumni occupy the highest echelons in industry, research organizations and academia in India and abroad.

In recognition to its contributions in research and teaching, the University Grants Commission (UGC) has accorded the highest level of status to the Institute as Centre of Advanced Study (CAS-II) in Pharmaceutical Sciences, the first university Institution in the country to be granted with this status. Since 2009, the UIPS has been the sole institute of the country to serve as UGC Networking Resource Centre (NRC) to impart training to the pharmacy professionals in frontier and thrust domains of Pharmaceutical séances. NRC was extended to Phase II for a period of five years from 2017 to 2022. By virtue of its remarkable attainments, UIPS has been constituently ranked second among the Pharmacy Institutes of the country in NIRF ranking. Institute celebrated its Platinum Jubilee on completion of 75 years in 2019.

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FACULIY		
Designation	Name	Field of Research Specialization
Professors Emeritus	S.K.Kulkarni	Pharmacology
Professors	Indu Pal Kaur	Pharmaceutics
	(Chairperson)	r nai maceutics
	O.P. Katare	Pharmaceutics
	V.R. Sinha	Pharmaceutics
	Bhupinder Singh Bhoop	Pharmaceutics
	Renu Chadha	Pharmaceutical Chemistry
	Kanwaljit Chopra	Pharmacology
	Anupam Sharma	Pharmacognosy
	Anil Kumar	Pharmacology
	Ranju Bansal	Pharmaceutical Chemistry
	Poonam Piplani	Pharmaceutical Chemistry
	Maninder Karan	Pharmacognosy
	Alka Bali	Pharmaceutical Chemistry
Assistant Professors	Anurag	Pharmacology
	Neelima Dhingra	Pharmaceutical Chemistry
	Jai Malik	Pharmacognosy
	Ashwani Kumar	Pharmacognosy
	Vandita Kakkar	Pharmaceutics
	Amita Sarwal	Pharmaceutics
	Sangeeta Pilkhwal Sah	Pharmacology
	Gurpal Singh (UGC-FRP)	Pharmaceutics
	Ashok Yadav (UGC-FRP)	Pharmaceutical Chemistry
	Sandip V Pawar (UGC-FRP)	Pharmacology
	Ranjana Bhandari (Temp.)	Pharmaceutics
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COURSES OFFERED (SEMESTER SYSTEM)

Courses	Seats	Duration	Eligibility/ Admission Criteria			
Bachelor of Pharmacy (B.Pharm.):						
B. Pharm.	46+6NRI*+2 Foreign Nationals*	4 years	50% Marks in 10+2 with English, Physics, Chemistry and one of the following subjects:			
	Nationals		Biology/Biotechnology/Mathematics			
			Admission based on P.U. CET-2021 (U.G.)			
MASTER OF PHARMACY	MASTER OF PHARMACY (M.PHARM):					
Regular Course						
M. Pharm. in	Category A: 08	2 Years	50% Marks in B. Pharm. from AICTE/PCI approved			
Pharmaceutical	Category B: 02		Institutions/ Universities with valid GPAT score**.			
Chemistry	NRI*: 02		For NRI Category, B. Pharm. with valid GPAT/GRE			
M. Pharm. in	Category A: 08		(General).			
Pharmaceutics	Category B: 02		Admission to all M. Pharm. Courses is made on the			
	NRI*: 02		basis of combined merit calculated from aggregate			
M. Pharm. in	Category A: 04		marks obtained in B. Pharm. 4-years Course (30%			
Pharmacognosy	Category B: 01		weightage) and GPAT score (70% weightage).			
	NRI*: 01					
M. Pharm. in	Category A: 04	1				

Pharmacology	Category B: 01
	NRI*: 01
Self-Finance Courses:	
M. Pharm. in	10+2 NRI*+1 Foreign
Pharmaceutical Analysis	Nationals*
M. Pharm. in Quality	10+2 NRI*+1 Foreign
Assurance	Nationals*

^{*} Admission eligibility of NRI students will be based on the guidelines issued by Dean International Students, Panjab University, Chandigarh from time to time.

Category A Panjab University candidate

Category B Candidate from institute other than Panjab University

Any seat(s) remaining unfilled under Category A will be transferred to Category B, and vice-versa.

Doctor of Philosophy: GPAT-qualified students are registered from time to time for Ph.D., depending upon the availability of seats under different projects/schemes/fellowships sponsored by different agencies, including industry. For more information, refer to Rules and Regulations governing Ph. D. degree in Faculty of Pharmaceutical Sciences.

TITLES OF SYLLABI: Detailed syllabi available at https://puchd.ac.in/syllabus.php

Bachelor of Pharmacy (B. Pharm.)				
Paper	Semester-I	Paper	Semester-II	
BP101T	Human Anatomy and Physiology I- Theory	BP201T	Human Anatomy and Physiology II-Theory	
BP102T	Pharmaceutical Analysis I-Theory	BP202T	Pharmaceutical Organic Chemistry-I Theory	
BP103T	Pharmaceutics I-Theory	BP203T	Biochemistry-Theory	
BP104T	Pharmaceutical Inorganic Chemistry Theory	BP204T	Pathophysiology-Theory	
BP105T	Communication skills-Theory *	BP205T	Computer Applications in Pharmacy- Theory *	
BP106	RBT Remedial Biology	BP206T	Environmental sciences – Theory *	
BP106	RMT Remedial Mathematics -Theory*	BP207P	Human Anatomy and Physiology II- Practical	
BP107P	Human Anatomy and Physiology- Practical	BP208P	Pharmaceutical Organic Chemistry I- Practical	
BP108P	Pharmaceutical Analysis I-Practical	BP209P	Biochemistry-Practical	
BP109P	Pharmaceutics I-Practical	BP210P	Computer Applications in Pharmacy- Practical*	
BP110P	Pharmaceutical Inorganic Chemistry-Practical			
BP111P	Communication skills -Practical*			
BP112	RBP Remedial Biology -Practical*			
	Semester-III		Semester-IV	
BP301T	Pharmaceutical Organic Chemistry II- Theory	BP401T	Pharmaceutical Organic Chemistry III- Theory	
BP302T	Physical Pharmaceutics I-Theory	BP402T	Medicinal Chemistry I-Theory	
BP303T	Pharmaceutical Microbiology-Theory	BP403T	Physical Pharmaceutics II-Theory	
BP304T	Pharmaceutical Engineering-Theory	BP404T	Pharmacology I-Theory	
BP305P	Pharmaceutical Organic Chemistry II-Practical	BP405P	Pharmacognosy and Phytochemistry I- Theory	
BP306P	Physical Pharmaceutics I-Practical	BP406P	Medicinal Chemistry I-Practical	
BP307P	Pharmaceutical Microbiology -Practical	BP407P	Physical Pharmaceutics II-Practical	
BP308P	Pharmaceutical Engineering -Practical	BP408P	Pharmacology I-Practical	
		BP409P	Pharmacognosy and Phytochemistry I-Practical	
	Semester-V		Semester-VI	
BP501T	Medicinal Chemistry II-Theory	BP601T	Medicinal Chemistry III-Theory	
BP502T	Industrial Pharmacy I-Theory	BP602T	Pharmacology III-Theory	
BP503T	Pharmacology II-Theory	BP603T	Herbal Drug Technology-Theory	
BP504T	Pharmacognosy and Phytochemistry II-Theory	BP604T	Biopharmaceutics and Pharmacokinetics - Theory	
BP505P	Pharmaceutical Jurisprudence -Theory	BP605T	Pharmaceutical Biotechnology -Theory	
BP506P	Industrial Pharmacy I-Practical	BP606T	Quality Assurance-Theory	
BP507P	Pharmacology II- Practical	BP607P	Medicinal chemistry III-Practical	
BP508P	Pharmacognosy and Phytochemistry II- Practical	BP608P	Pharmacology III -Practical	
		BP609P	Herbal Drug Technology -Practical	
	Semester-VII		Semester-VIII	
BP701T	Instrumental Methods of Analysis -Theory	BP801T	Biostatistics and Research Methodology - Theory	

^{**}The Non-GPAT candidates will be considered for admission in the Self-Finance courses, only if the seat(s) remain vacant after admitting all GPAT-qualified candidates, provided that their overall percentage of B. Pharm. marks is not less than 60%.

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BP702T	Industrial Pharmacy II-Theory	BP802T	Social and Preventive Pharmacy-Theory
BP703T BP704T	Pharmacy Practice -Theory Novel Drug Delivery System -Theory	BP803T BP804T	Pharma Marketing Management-Theory Pharmaceutical Regulatory Science-Theory
BP705P	Instrumental Methods of Analysis - Practical	BP805T	Pharmacovigilance-Theory
BP706S	Practice School*	BP806T	Quality Control and Standardization of Herbals -Theory
		BP807T	Computer Aided Drug Design-Theory
		BP808T	Cell and Molecular Biology-Theory
		BP809T	Cosmetic Science-Theory
		BP810T	Experimental Pharmacology -Theory
		BP811T	Advanced Instrumentation Techniques Theory
		BP812T	Dietary Supplements and Nutraceuticals
		BP813T	Pharmaceutical Product Development
		BP81W	Project Work
	rsity Examination (NUE)		
	harmacy (M. Pharm.)		
	Pharmaceutics)		
Paper	Semester-I	Paper	Semester-II
MPH101T	Modern Pharmaceutical Analytical Techniques	MPH202T	Advanced Bio-pharmaceutics & Pharmacokinetics
MPH102T	Drug Delivery System	MPH203T	Computer Aided Drug Delivery System
MPH103T	Modern Pharmaceutics	MPH201T	Molecular Pharmaceutics (Nano Tech and Targeted DDS)
MPH104T	Regulatory Affair	MPH204T	Cosmetic and Cosmeceuticals
MPH105P	Pharmaceutics Practical I	MPH205P	Pharmaceutics Practical II
-	Seminar/Assignment	-	Seminar/Assignment
M. Pharm. (Pharmaceutical Chemistry)		Jenniar / 1331giment
Paper	Semester-I	Paper	Semester-II
MPC101T			Advanced Spectral Analysis
MPC1011 MPC102T	Modern Pharmaceutical Analytical Techniques Advanced Organic Chemistry-I	MPC201T MPC202T	Advanced Organic Chemistry-II
14.11111111111111111111111111111111111		1 10/10/10/07/11	Computer Aided Drug Design
MPC103T	Advanced Medicinal chemistry Chamistry of Natural Products	MPC203T	Computer Aided Drug Design
MPC104T	Chemistry of Natural Products	MPC204T	Pharmaceutical Process Chemistry
	Chemistry of Natural Products Pharmaceutical Chemistry Practical I		Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II
MPC104T MPC105P	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment	MPC204T	Pharmaceutical Process Chemistry
MPC104T MPC105P - M. Pharm. (Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology)	MPC204T MPC205P	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment
MPC104T MPC105P - M. Pharm. (Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I	MPC204T MPC205P - - Paper	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II
MPC104T MPC105P - M. Pharm. (Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology)	MPC204T MPC205P	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological
MPC104T MPC105P - M. Pharm. (Paper MPL 101T	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening	MPC204T MPC205P - - Paper MPL 201T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II
MPC104T MPC105P - M. Pharm. (Paper MPL 101T MPL 102T MPL 103T	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I	MPC204T MPC205P - Paper MPL 201T MPL 102T MPL 203T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery
MPC104T MPC105P - M. Pharm. (Paper MPL 101T MPL 102T	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular	MPC204T MPC205P - Paper MPL 201T MPL 102T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II
MPC104T MPC105P - M. Pharm. (Paper MPL 101T MPL 102T MPL 103T MPL 104T	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology	MPC204T MPC205P - Paper MPL 201T MPL 102T MPL 203T MPL 204T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II
MPC104T MPC105P - M. Pharm. (Paper MPL 101T MPL 102T MPL 103T	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I	MPC204T MPC205P - Paper MPL 201T MPL 102T MPL 203T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II
MPC104T MPC105P M. Pharm. (Paper MPL 101T MPL 102T MPL 103T MPL 104T MPL 105P -	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment	MPC204T MPC205P - Paper MPL 201T MPL 102T MPL 203T MPL 204T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II
MPC104T MPC105P - M. Pharm. (Paper MPL 101T MPL 102T MPL 103T MPL 104T MPL 105P - M. Pharm. (Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy)	MPC204T MPC205P Paper MPL 201T MPL 102T MPL 203T MPL 204T MPL 204T MPL 205 -	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment
MPC104T MPC105P - M. Pharm. (Paper MPL 101T MPL 102T MPL 103T MPL 104T MPL 105P - M. Pharm. (Paper	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I	MPC204T MPC205P Paper MPL 201T MPL 102T MPL 203T MPL 204T MPL 205 - Paper	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II
MPC104T MPC105P - M. Pharm. (Paper MPL 101T MPL 102T MPL 103T MPL 104T MPL 105P - M. Pharm. (Paper MPG101T	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I Modern Pharmaceutical Analytical Techniques	MPC204T MPC205P Paper MPL 201T MPL 102T MPL 203T MPL 204T MPL 205 - Paper MPG201T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II Medicinal Plant biotechnology
MPC104T MPC105P M. Pharm. (Paper MPL 101T MPL 102T MPL 104T MPL 104T MPL 105P - M. Pharm. (Paper MPG101T MPG102T	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacognosy	MPC204T MPC205P Paper MPL 201T MPL 102T MPL 203T MPL 204T MPL 204T MPL 205 Paper MPG201T MPG102T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II Medicinal Plant biotechnology Advanced Pharmacognosy-II
MPC104T MPC105P - M. Pharm. (Paper MPL 101T MPL 102T MPL 104T MPL 105P - M. Pharm. (Paper MPG101T MPG102T MPG103T	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacognosy Phytochemistry	MPC204T MPC205P Paper MPL 201T MPL 102T MPL 203T MPL 204T MPL 204T MPL 205 Paper MPG201T MPG201T MPG203T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II Medicinal Plant biotechnology Advanced Pharmacognosy-II Indian system of medicine
MPC104T MPC105P	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacognosy Phytochemistry Industrial Pharmacognostical Technology	MPC204T MPC205P Paper MPL 201T MPL 102T MPL 203T MPL 204T MPL 204T MPL 205 Paper MPG201T MPG201T MPG203T MPG204T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II Medicinal Plant biotechnology Advanced Pharmacognosy-II Indian system of medicine Herbal cosmetics
MPC104T MPC105P - M. Pharm. (Paper MPL 101T MPL 102T MPL 104T MPL 105P - M. Pharm. (Paper MPG101T MPG102T MPG103T	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacognosy Phytochemistry Industrial Pharmacognostical Technology Pharmacognosy Practical I	MPC204T MPC205P Paper MPL 201T MPL 102T MPL 203T MPL 204T MPL 204T MPL 205 Paper MPG201T MPG201T MPG203T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II Medicinal Plant biotechnology Advanced Pharmacognosy-II Indian system of medicine Herbal cosmetics Pharmacognosy Practical II
MPC104T MPC105P M. Pharm. (Paper MPL 101T MPL 102T MPL 104T MPL 105P - M. Pharm. (Paper MPG101T MPG102T MPG103T MPG104T MPG105P	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacognosy Phytochemistry Industrial Pharmacognostical Technology Pharmacognosy Practical I Seminar/Assignment	MPC204T MPC205P Paper MPL 201T MPL 102T MPL 203T MPL 204T MPL 204T MPL 205 Paper MPG201T MPG201T MPG203T MPG204T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II Medicinal Plant biotechnology Advanced Pharmacognosy-II Indian system of medicine Herbal cosmetics
MPC104T MPC105P M. Pharm. (Paper MPL 101T MPL 102T MPL 104T MPL 105P - M. Pharm. (Paper MPG101T MPG102T MPG103T MPG104T MPG105P	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacognosy Phytochemistry Industrial Pharmacognostical Technology Pharmacognosy Practical I	MPC204T MPC205P Paper MPL 201T MPL 102T MPL 203T MPL 204T MPL 204T MPL 205 Paper MPG201T MPG201T MPG203T MPG204T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II Medicinal Plant biotechnology Advanced Pharmacognosy-II Indian system of medicine Herbal cosmetics Pharmacognosy Practical II
MPC104T MPC105P M. Pharm. (Paper MPL 101T MPL 102T MPL 103T MPL 104T MPL 105P - M. Pharm. (Paper MPG101T MPG102T MPG102T MPG103T MPG104T MPG105P - M. Pharm. (M. Pha	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacognosy Phytochemistry Industrial Pharmacognostical Technology Pharmacognosy Practical I Seminar/Assignment Pharmacognosy Practical I Seminar/Assignment Pharmaceutical Analysis)	MPC204T MPC205P Paper MPL 201T MPL 102T MPL 203T MPL 204T MPL 205 - Paper MPG201T MPG203T MPG203T MPG204T MPG205P -	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II Medicinal Plant biotechnology Advanced Pharmacognosy-II Indian system of medicine Herbal cosmetics Pharmacognosy Practical II Seminar/Assignment
MPC104T MPC105P M. Pharm. (Paper MPL 101T MPL 102T MPL 104T MPL 105P - M. Pharm. (Paper MPG101T MPG102T MPG103T MPG104T MPG105P	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacognosy Phytochemistry Industrial Pharmacognostical Technology Pharmacognosy Practical I Seminar/Assignment	MPC204T MPC205P Paper MPL 201T MPL 102T MPL 203T MPL 204T MPL 204T MPL 205 Paper MPG201T MPG201T MPG203T MPG204T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II Medicinal Plant biotechnology Advanced Pharmacognosy-II Indian system of medicine Herbal cosmetics Pharmacognosy Practical II
MPC104T MPC105P M. Pharm. (Paper MPL 101T MPL 102T MPL 103T MPL 104T MPL 105P - M. Pharm. (Paper MPG101T MPG102T MPG102T MPG103T MPG104T MPG105P - M. Pharm. (Paper MPA101T	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacognosy Phytochemistry Industrial Pharmacognostical Technology Pharmacognosy Practical I Seminar/Assignment Pharmaceutical Analysis) Semester-I Modern Pharmaceutical I Techniques	MPC204T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II Medicinal Plant biotechnology Advanced Pharmacognosy-II Indian system of medicine Herbal cosmetics Pharmacognosy Practical II Seminar/Assignment Semester-II Advanced Instrumental Analysis
MPC104T MPC105P M. Pharm. (Paper MPL 101T MPL 102T MPL 103T MPL 104T MPL 105P - M. Pharm. (Paper MPG101T MPG102T MPG102T MPG103T MPG104T MPG105P - M. Pharm. (Paper MPA101T MPA101T	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacognosy Phytochemistry Industrial Pharmacognostical Technology Pharmacognosy Practical I Seminar/Assignment Pharmaceutical Analysis Semester-I Modern Pharmaceutical I Technology Pharmaceutical Analysis) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmaceutical Analysis)	MPC204T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II Medicinal Plant biotechnology Advanced Pharmacognosy-II Indian system of medicine Herbal cosmetics Pharmacognosy Practical II Seminar/Assignment Semester-II Advanced Instrumental Analysis Modern Bio-Analytical Techniques
MPC104T MPC105P M. Pharm. (Paper MPL 101T MPL 102T MPL 104T MPL 105P - M. Pharm. (Paper MPG101T MPG102T MPG102T MPG103T MPG104T MPG105P - M. Pharm. (Paper MPA101T MPA102T MPA101T	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacognosy Phytochemistry Industrial Pharmacognostical Technology Pharmacognosy Practical I Seminar/Assignment Pharmaceutical Analysis Semester-I Modern Pharmaceutical I Seminar/Assignment Pharmaceutical Analysis Pharmaceutical Analytical Techniques Advanced Pharmaceutical Analytical Techniques	MPC204T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II Medicinal Plant biotechnology Advanced Pharmacognosy-II Indian system of medicine Herbal cosmetics Pharmacognosy Practical II Seminar/Assignment Semester-II Advanced Instrumental Analysis Modern Bio-Analytical Techniques Quality Control and Quality Assurance
MPC104T MPC105P M. Pharm. (Paper MPL 101T MPL 102T MPL 103T MPL 104T MPL 105P - M. Pharm. (Paper MPG101T MPG102T MPG102T MPG103T MPG104T MPG105P - M. Pharm. (Paper MPA101T MPA101T	Chemistry of Natural Products Pharmaceutical Chemistry Practical I Seminar/Assignment Pharmacology) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacology Pharmacological and Toxicological Screening Methods-I Cellular and Molecular Pharmacology Pharmacology Practical I Seminar/Assignment Pharmacognosy) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmacognosy Phytochemistry Industrial Pharmacognostical Technology Pharmacognosy Practical I Seminar/Assignment Pharmaceutical Analysis Semester-I Modern Pharmaceutical I Technology Pharmaceutical Analysis) Semester-I Modern Pharmaceutical Analytical Techniques Advanced Pharmaceutical Analysis)	MPC204T	Pharmaceutical Process Chemistry Pharmaceutical Chemistry Practical- II Seminar/Assignment Semester-II Advanced Pharmacology II Pharmacological and Toxicological Screening Methods-II Principles of Drug Discovery Experimental Pharmacology practical- II Pharmacology Practical II Seminar/Assignment Semester-II Medicinal Plant biotechnology Advanced Pharmacognosy-II Indian system of medicine Herbal cosmetics Pharmacognosy Practical II Seminar/Assignment Semester-II Advanced Instrumental Analysis Modern Bio-Analytical Techniques

M. Pharm. (Pharmaceutical Quality Assurance)				
Paper	Semester-I	Paper	Semester-II	
MQA101T	Modern Pharmaceutical Analytical Techniques	MQA201T	Hazards and Safety Management	
MQA102T	Quality Management System	MQA202T	Pharmaceutical Validation	
MQA103T	Quality Control and Quality Assurance	MQA203T	Audits and Regulatory Compliance	
MQA104T	Product Development and Technology Transfer	MQA204T	Pharmaceutical Manufacturing Technology	
MQA105P	Pharmaceutical Quality Assurance Practical-I	MQA205P	Pharmaceutical Quality Assurance Practical	
			II	
-	Seminar/Assignment	-	Seminar/Assignment	
Course of study for M. Pharm. III Semester		Course of study for M. Pharm. IV Semester		
(Common for All Specializations)		(Common for All Specializations)		
MRM301T	Research Methodology and Biostatistics	Journal club		
	Journal club		Discussion / Presentation	
	Discussion / Presentation (Proposal		Research Work, thesis and viva-voce	
	Presentation)			
	Research Work			

THRUST AREAS: Facilities are available for advanced research in Pharmaceutics, Pharmaceutical Chemistry, Pharmacognosy and Pharmacology.

Some of the thrust areas include, search for new chemical entities (synthetic/semi-synthetic/natural), QbD-based development of novel and nanostructured drug delivery systems, advanced pharmacokinetic modeling, crystal engineering of active biomolecules, advanced pharmacological studies related to drug discovery and development, herbal drug standardization and development of novel herbal formulations.

PLACEMENTS: The quality and productivity of the trained and skilled human resources by the UIPS has been ranked as *par excellence* in the country. A placement cell has been created under the banner of Panjab University Pharmaceutical Society (PUPS) to provide better job opportunities to our trained students. Recruitment of the students by various industries and academic institutes is carried out through campus interviews. The Institute's students have been placed in various industries located in different parts of the country. The most common recruiters are Procter & Gamble, Dr. Reddy's, IPCA, Novartis, Viatris, Abott, Zydus-Cadila, Sun Pharma, Panacea Biotec, Dabur, Nicholas-Piramal, Ind-Swift, Heron, Quantum Solutions, Jubilant Pharma, E-valueserve, Root Analysis, Sentiss, Parexel, Biocon, Grey-B, and the likes.

ALUMNI RELATIONS: More than 1600 graduates, over 1300 post-graduates and 250 Ph.Ds are the proud alumni of the Institute. Several of these alumni adorn prestigious professionals positions in industry, research and academic institutes across the globe including US, Canada and Europe. The UIPS holds an alumni meet every year and acts as an interface for a viable alumni network.