

# Department of Pharmacy

The Department of Pharmacy, Faculty of Life Sciences, Sarhad University acknowledges pharmaceutical care as an evolving mode of pharmacy practice in which the pharmacist in consultation with other health professionals, takes an active role on behalf of patients in making appropriate drug choices, by effecting distribution of medications to patients, and by assuming direct responsibilities to empower patients to achieve the desired outcomes of drugs and related therapy.

Pharm-D program of the Department provides educational preparedness, so as to enable a student to collaborate with other health professionals and to share responsibility for outcomes of drug and related therapy. Pharm-D program promotes the knowledge, skills, abilities, attitudes and values necessary for the provision of pharmaceutical care for general practice of pharmacy in any setting. The Department of Pharmacy also assures an understanding of pharmaceutical care by its students early in the professional program in pharmacy. The philosophy of practice as well as the necessary professional attitudes, ethics, and behaviors are evolved during the course of study. Moreover, Pharm-D program ensures the provision of a positive outlook for all aspects of pharmacy practice. In long and short, the Pharm-D program is based upon scope, depth and proficiency of knowledge, skills, and judgment acquired. The curriculum of Pharm-D adopted by our Department is in-line with the curriculum proposed by Pharmacy Council of Pakistan and approved by HEC, which provides the students with enhanced core of professional knowledge and skills through enrichment of the Biomedical Sciences, Pharmaceutical Sciences, Physical Sciences, and Clinical Sciences through practice and experience. The curriculum prepares students to be practitioners with maturity in clinical, hospital, community, and industrial practice of pharmacy.

## Vision

To impart Research-oriented Pharmacy Education in the country with visionary abilities.

## Mission

The mission of the Department is to prepare Pharmacy graduates whose scientific knowledge and skills enable them to work with the pace to ensure the quality in the design, manufacture, distribution, safe and effective use of pharmaceuticals in the society and clinical setting.

## Number of seats:

Morning Shift: 100

Evening Shift: 100

**Program Offered:** Pharm-D (Doctor of Pharmacy)

## Faculty Members, Department of Pharmacy

Meritorious Prof. Dr. Zafar Iqbal	Dean, Faculty of Life Sciences	Ph.D (Pharmaceutical Sciences), University of Strathclyde Glasgow, UK
Prof. Dr. Sudhair Abbas	Head of Department	Ph.D Pharmacy, University of Peshawar
Prof. Dr. S.M. Hassan Shah	Coordinator	Ph.D Pharmacy, University of Malakand
Dr. Tariq Abbas	Professor	Ph.D Mathematics, Islamia College University, Peshawar
Dr. Naila Raziq	Associate Professor	Ph.D Pharmacy, University of Peshawar
Dr. Muhammad Asif Khan	Associate Professor	Ph.D Pharmacy, University of Peshawar
Dr. Muhammad Kifayatullah	Associate Professor	Ph.D Pharmacy, Lincoln University College, Malaysia
Dr. Ashfaq Ahmad	Associate Professor	Ph.D Pharmacy, University of Malakand
Dr. Peer Abdul Hannan	Assistant Professor	Ph.D Pharmacy, University of Peshawar
Dr. Naila Shahbaz	Assistant Professor	Ph.D Pharmacy, University of Peshawar
Dr. Rahim Ullah	Asst. Coordinator	Ph.D Pharmaceutical Sciences, University of Peshawar
Dr. Faiqa Falak Naz	Assistant Professor	Ph.D Pharmaceutics, Gomal University, DI Khan
Dr. Saifullah Khan Khalil	Assistant Professor	Ph.D Pharmacy, University of Peshawar
Dr. Muhammad Abdullah Shah	Assistant Professor	Ph.D Chemistry (Organic), Bacha Khan University, Charsadda
Mr. Najam Afaq Qureshi	Assistant Professor	M.Phil Pharmacy, Gomal University D.I. Khan
Mr. Nasir Ali	Assistant Professor	MS Biomedical Sciences, University of East London, UK
Mr. Nisar Zamin Shah	Assistant Professor	M.Phil Pharmaceutical Sciences, University of Malakand
Mr. Salman Aman	Assistant Professor	MS Pharmacy (Pharmaceutics), Sarhad University, Peshawar
Mr. Said Muhammad	Assistant Professor	M.Phil Pharmaceutics, Islamia University of Bahawalpur
Ms. Roheena Zafar	Lecturer	MS Pharmacy (Pharmaceutics), Sarhad University, Peshawar
Mr. Saif Ullah Khan	Lecturer	M.Phil Islamiyat, Islamia College University Peshawar
Ms. Mahwish	Lecturer	M.Phil Pharmacy, University of Malakand
Mr. Wahid Zada	Lecturer	MS Pharmacology, COMSATS University, Abbottabad
Ms. Nadia Abrar	Lecturer	M.Phil Pharmacology, University of Swabi
Ms. Natasha Rahim	Lecturer	M.Phil Pharmacy, University of Peshawar
Mr. Altaf Ur Rehman	Lecturer	M.Phil Pharmacy, University of Peshawar
Mr. Muhammad Kamran Labib	Lecturer	M.Phil Pharmacognosy, Quaid-e-Azam University, Islamabad
Mr. Abdur Raziq	Lecturer	M.Phil Pharmaceutical Sciences, AWKUM
Mr. Muhammad Yamnain	Lecturer	M.Phil Pharmacy, Kohat University of Science & Technology
Ms. Kiran Firdous	Lecturer	M.Phil Pharmacology, KMU Peshawar
Mr. Tahir Ullah Khan	Lab Demonstrator	Pharm-D, University of Swabi

# Pharm-D

## (Doctor of Pharmacy)

Program Code	081
Number of Courses	94
Credit Hours	198

Minimum Duration	10 Semesters, 5 Years
Maximum Duration	20 Semesters, 10 Years
Minimum CGPA Required To Earn Degree	2.00

### Eligibility:

F.Sc (Pre-Medical) or A-Level with Equivalency Certificate from IBCC Islamabad with at least 60% Marks or an equivalent certificate from a recognized institution are eligible to apply.

Candidates need to pass an entry test and an aptitude interview conducted by the University.

### Program Objectives:

The Pharm-D Program caters increasing needs of pharmaceutical care, drug delivery systems, drug distribution, storage, hospital pharmacy, community pharmacy, clinical pharmacy, drug information systems, and pharmaceutical industries in areas like productions, quality control, quality assurance, validation, research and development, product management, training, warehouse management, logistic and drug registration systems not only in Pakistan but in Middle East, Europe, Canada, and USA.

### Program Outcomes :

After completion of the program, students will be able to;

- Contribute and update graduates regarding the advancements in pharmaceutical science and capable of catering the needs of national and international health organizations.
- Apply knowledge gained in the department to contribute in national or international organizations.
- Demonstrate efficient oral and written communication skills.
- Achieve problem solving and decision making skills.

### Scheme of Studies:

#### 1st Professional Pharm-D

##### 1st Semester

Course Code	Course Title	Cr. Hrs.23
PHC 305	Pharmaceutical Chemistry-IA (Organic-I) (Th)	3-0
PHC 307	Pharmaceutical Chemistry-IA (Organic-I) (Lab)	0-1
PCG 315	Pharmaceutical Chemistry-IIA (Biochemistry-I) (Th)	3-0
PCG 317	Pharmaceutical Chemistry-IIA (Biochemistry-I) (Lab)	0-1
PCU 311	Pharmaceutics-IA (Physical Pharmacy-I) (Th)	3-0
PCU 313	Pharmaceutics-IA (Physical Pharmacy-I) (Lab)	0-1
PCG 319	Physiology-I (Th)	3-0
PCG 321	Physiology-I (Lab)	0-1
PCG 323	Anatomy & Histology (Th)	3-0
PCG 325	Anatomy & Histology (Lab)	0-1
PMA 317	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3-0

##### 2nd Semester

Course Code	Course Title	Cr. Hrs.21
PHC 308	Pharmaceutical Chemistry-IB (Organic-II) (Th)	3-0
PHC 310	Pharmaceutical Chemistry-IB (Organic-II) (Lab)	0-1
PCG 326	Pharmaceutical Chemistry-IIB (Biochemistry-II) (Th)	3-0
PCG 328	Pharmaceutical Chemistry-IIB (Biochemistry-II) (Lab)	0-1
PCU 314	Pharmaceutics-IB (Physical Pharmacy-II) (Th)	3-0
PCU 316	Pharmaceutics-IB (Physical Pharmacy-II) (Lab)	0-1
PCG 330	Physiology-II (Th)	3-0
PCG 332	Physiology-II (Lab)	0-1
PMA 318	Pharmacy Practice- IB (Biostatistics)	3-0
ENG 112	English A (Functional English)	2-0

## 2nd Professional Pharm-D

### 3rd Semester

Course Code	Course Title	Cr. Hrs.22
PCU 413	Pharmaceutics-IIA (Dosage form science-I) (Th)	3-0
PCU 415	Pharmaceutics-IIA (Dosage form science-I) (Lab)	0-1
PCG 409	Pharmacology & Therapeutics-IA (General-I) (Th)	3-0
PCG 411	Pharmacology & Therapeutics-IA (General-I) (Lab)	0-1
PCN 411	Pharmacognosy-IA (Basic) (Th)	3-0
PCN 413	Pharmacognosy-IA (Basic) (Lab)	0-1
PCU 417	Pharmaceutics-IIIA (Pharmaceutical Microbiology and Immunology-I) (Th)	3-0
PCU 419	Pharmaceutics-IIIA (Pharmaceutical Microbiology and Immunology -I) (Lab)	0-1
GS 413	Pakistan Studies	2-0
ENG 113	English-B (Communication & Skill Writing)	4-0

### 4th Semester

Course Code	Course Title	Cr. Hrs.19
PCU 418	Pharmaceutics-IIB (Dosage form science-II) (Th)	3-0
PCU 420	Pharmaceutics-IIB (Dosage form science-II) (Lab)	0-1
PCG 414	Pharmacology & Therapeutics-IB (General-II) (Th)	3-0
PCG 416	Pharmacology & Therapeutics-IB (General-II) (Lab)	0-1
PCN 414	Pharmacognosy-IB (Basic) (Th)	3-0
PCN 416	Pharmacognosy-IB (Basic) (Lab)	0-1
PCU 422	Pharmaceutics-IIIB (Pharmaceutical Microbiology and Immunology-II) (Th)	3-0
PCU 424	Pharmaceutics-IIIB (Pharmaceutical Microbiology and Immunology-II) (Lab)	0-1
GS 414	Islamic Studies	3-0
QT 100	Quran-e-Majeed Teaching (Audit Basis)	2-0

## 3rd Professional Pharm-D

### 5th Semester

Course Code	Course Title	Cr. Hrs.20
PCG 501	Pathology (Th)	3-0
PCG 503	Pathology (Lab)	0-1
PCG 509	Pharmacology & Therapeutics-IIA (Systemic Pharmacology-I) (Th)	3-0
PCG 511	Pharmacology & Therapeutics-IIA (Systemic Pharmacology-I) (Lab)	0-1
PCN 511	Pharmacognosy-IIA (Advanced) (Th)	3-0
PCN 513	Pharmacognosy-IIA (Advanced) (Lab)	0-1
PHC 515	Pharmaceutical Chemistry-IIIA (Pharmaceutical analysis/Instrumentation-I) (Th)	3-0
PHC 517	Pharmaceutical Chemistry-IIIA (Pharmaceutical analysis/Instrumentation-I) (Lab)	0-1
PCU 517	Pharmacy Practice-IIA (Dispensing Pharmacy) (Th)	3-0
PCU 519	Pharmacy Practice-IIA (Dispensing Pharmacy) (Lab)	0-1

### 6th Semester

Course Code	Course Title	Cr. Hrs.19
PCS 506	Pharmacy Practice-III (Computer & its Applications in Pharmacy) (Th)	3-0
PCS 508	Pharmacy Practice-III (Computer & its Applications in Pharmacy) (Lab)	0-1
PCG 512	Pharmacology & Therapeutics-IIIB (Systemic Pharmacology-II) (Th)	3-0
PCG 514	Pharmacology & Therapeutics-IIIB (Systemic Pharmacology-II) (Lab)	0-1
PCN 514	Pharmacognosy-IIIB (Advanced) (Th)	3-0
PCN 516	Pharmacognosy-IIIB (Advanced) (Lab)	0-1
PHC 518	Pharmaceutical Chemistry-IIIB (Pharmaceutical analysis/Instrumentation-II) (Th)	3-0
PHC 520	Pharmaceutical Chemistry-IIIB (Pharmaceutical analysis/Instrumentation-II) (Lab)	0-1
PCU 520	Pharmacy Practice-IIIB (Community Pharmacy) (Th)	3-0

## 4th Professional Pharm-D

### 7th Semester

Course Code	Course Title	Cr. Hrs.19
PCU 613	Pharmacy Practice-IVA (Hospital Pharmacy-I) (Th)	3-0
PCU 615	Pharmacy Practice-VA (Clinical Pharmacy-IA) (Th)	3-0
PCU 617	Pharmacy Practice-VA (Clinical Pharmacy-IA) (Lab)	0-1
PCU 619	Pharmaceutics-IVA (Industrial Pharmacy-I) (Th)	3-0
PCU 621	Pharmaceutics-IVA (Industrial Pharmacy-I) (Lab)	0-1
PCU 623	Pharmaceutics-VA (Biopharmaceutics-I) (Th)	3-0
PCU 625	Pharmaceutics-VA (Biopharmaceutics-I) (Lab)	0-1
PCU 627	Pharmaceutics-VIA (Pharmaceutical Quality Management -I) (Th)	3-0
PCU 629	Pharmaceutics-VIA (Pharmaceutical Quality Management -I) (Lab)	0-1

### 8th Semester

Course Code	Course Title	Cr. Hrs.19
PCU 630	Pharmacy Practice-IVB (Hospital Pharmacy -II) (Th)	3-0
PCU 632	Pharmacy Practice-VB (Clinical Pharmacy -IB) (Th)	3-0
PCU 634	Pharmacy Practice-VB (Clinical Pharmacy -IB) (Lab)	0-1
PCU 636	Pharmaceutics-IVB (Industrial Pharmacy-II) (Th)	3-0
PCU 638	Pharmaceutics-IVB (Industrial Pharmacy-II) (Lab)	0-1
PCU 640	Pharmaceutics-VB (Biopharmaceutics-II) (Th)	3-0
PCU 642	Pharmaceutics-VB (Biopharmaceutics-II) (Lab)	0-1
PCU 644	Pharmaceutics-VIB (Pharmaceutical Quality Management-II) (Th)	3-0
PCU 646	Pharmaceutics-VIB (Pharmaceutical Quality Management -II) (Lab)	0-1

## 5th Professional Pharm-D

### 9th Semester

Course Code	Course Title	Cr. Hrs.18
PHC 705	Pharmaceutical Chemistry-IVA (Medicinal-I) (Th)	3-0
PHC 707	Pharmaceutical Chemistry-IVA (Medicinal-I) (Lab)	0-1
PCU 715	Pharmacy Practice-VIA (Clinical Pharmacy-IIA) (Th)	3-0
PCU 717	Pharmacy Practice-VIA (Clinical Pharmacy-IIA) (Lab)	0-1
PCU 719	Pharmaceutics-VIIA (Pharmaceutical Technology-I) (Th)	3-0
PCU 721	Pharmaceutics-VIIA (Pharmaceutical Technology-I) (Lab)	0-1
PCU 723	Pharmacy Practice-VIIA (Forensic Pharmacy-I) (Th)	3-0
PCU 725	Pharmacy Practice-VIIIA (Pharmaceutical Management & Marketing-I) (Th)	3-0

### 10th Semester

Course Code	Course Title	Cr. Hrs.18
PHC 708	Pharmaceutical Chemistry-IVB (Medicinal-II) (Th)	3-0
PHC 710	Pharmaceutical Chemistry-IVB (Medicinal-II) (Lab)	0-1
PCU 726	Pharmacy Practice-VIB (Clinical Pharmacy-IIB) (Th)	3-0
PCU 728	Pharmacy Practice-VIB (Clinical Pharmacy-IIB) (Lab)	0-1
PCU 730	Pharmaceutics-VIIB (Pharmaceutical Technology-II) (Th)	3-0
PCU 732	Pharmaceutics-VIIB (Pharmaceutical Technology-II) (Lab)	0-1
PCU 734	Pharmacy Practice-VIIB (Forensic Pharmacy-II) (Th)	3-0
PCU 736	Pharmacy Practice-VIIIB (Pharmaceutical Management & Marketing-II) (Th)	3-0