

# 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.

## PROGRAM OFFERED:

PHARM-D  
(Doctor of Pharmacy)

## NUMBER OF SEATS

Morning Shift	65
Evening Shift	65

# FACULTY MEMBERS, DEPARTMENT OF PHARMACY

Prof. Dr. Sudhair Abbas  
 Prof. Dr. S.M. Hassan Shah  
 Dr. Naila Raziq  
 Dr. Muhammad Asif Khan  
 Dr. Muhammad Kifayatullah  
 Dr. Ashfaq Ahmad  
 Dr. Fazli Amin  
 Dr. Peer Abdul Hannan  
 Dr. Naila Shahbaz  
 Dr. Sajjad Ahmad  
 Dr. Rahim Ullah  
 Mr. Muhammad Abdullah Shah  
 Mr. Najam Afaq Qureshi  
 Mr. Said Muhammad  
 Mr. Nasir Ali  
 Mr. Nisar Zamin Shah  
 Mr. Salman Aman  
 Prof. Dr. Kamran Ahmad Chishti  
 Prof. Dr. Nazar-ul-Islam  
 Dr. S.M. Umar Khayam  
 Dr. Irfan Ullah  
 Dr. Muhammad Shahid  
 Dr. Muhammad Aamir  
 Ms. Faryal Liaqat Ali  
 Mr. Umar Farooq

Ms. Roheena Zafar  
 Ms. Mahwish  
 Mr. Saif Ullah Khan  
 Mr. Muhammad Kamran Khan  
 Mr. Tahir Ali  
 Mr. Muhammad Ibrahim  
 Ms. Asma Shafi

Head of Department  
 UG Coordinator  
 Associate Professor  
 Associate Professor  
 Associate Professor  
 Associate Professor  
 Assistant Professor  
 PG Coordinator  
 Assistant Professor  
 UG Assistant Coordinator  
 Assistant Professor  
 Assistant Professor  
 Assistant Professor  
 Assistant Professor  
 Assistant Professor  
 Assistant Professor  
 Professor (on Leave)  
 Professor (on Leave)  
 Professor (on Leave)  
 Associate Professor (on Leave)  
 Associate Professor (on Leave)  
 Assistant Professor (on Leave)  
 Assistant Professor (on Leave)  
 Assistant Professor (on Leave)

Lecturer  
 Lecturer  
 Lecturer  
 Lecturer  
 Lecturer (on Leave)  
 Lecturer (on Leave)  
 Lecturer (on Leave)

Ph.D Pharmacy, University of Peshawar  
 Ph.D Pharmaceutics, University of Malakand, M.Phil Pharmacy UoP  
 Ph.D Pharmacy, University of Peshawar, M.Phil Pharmaceutical Chemistry  
 Ph.D Pharmacy, University of Peshawar, M.Phil Pharmacy, University of Peshawar  
 Ph.D Pharmacy, LUC, M.Phil Pharmacology, Riphah-International Uni  
 Ph.D University of Malakand. M.Phil Pharmaceutical Chemistry, KUST  
 Ph.D Pharmacy, University of Malakand, MS Pharmacy, Kingston Uni Kingston, UK  
 Ph.D Pharmacy, University of Peshawar  
 Ph.D Pharmacy, University of Peshawar, M.Phil Pharmacy UoM  
 Ph.D Pharmacy, University of Malakand  
 Pharm-D Sindh University, PhD University of Peshawar  
 M.Phil Chemistry, Hazara University, Mansehra  
 M.Phil Pharmacy, Gomal University D.I. Khan  
 M.Phil Pharmaceutics, Islamia University of Bahawalpur  
 MS Biomedical Sciences, University of East London, UK  
 M.Phil Pharmaceutical Sciences, University of Malakand  
 MS Pharmacy, Sarhad University, Peshawar  
 Ph.D Pharmacy, Karachi University, M.Phil Pharmacy, Karachi University  
 Ph.D Chemistry, University of London  
 Ph.D Pharmacy, UoM, MS Pharmaceutical Analysis, Strathclyde Uni. Glasgow, UK  
 Ph.D Pharmacy, University of Peshawar  
 Ph.D Pharmacy University of Peshawar, M.Phil Pharmacy, University of Peshawar  
 Ph.D Pharmacy, University of Peshawar  
 MS Pharmacy, Sarhad University Peshawar  
 MS Pharmacy, COMSATS, MS Total Quality Management in Medicine  
 Punjab University Lahore  
 MS Pharmacy, Sarhad University, Peshawar  
 M.Phil Pharmacy, University of Malakand  
 M.Phil Islamiyat, Islamia College University Peshawar  
 Pharm-D, Gomal University, M.Phil Pharmaceutics Gomal University  
 Pharm-D, University of Malakand Dir Lower  
 M.Phil Statistics, Quaid-e-Azam University, Islamabad  
 Pharm-D, University of Peshawar

# Pharm-D

## (Doctor of Pharmacy)

Program Code	081
Number of Courses	75
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-Levels 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.

## 1st PROFESSIONAL PHARM-D

### 1st SEMESTER

Course Code	Course Title	Cr. Hrs.23
PHC305	Pharmaceutical Chemistry-IA (Organic-I) (Th)	3-0
PHC307	Pharmaceutical Chemistry-IA (Organic-I) (Lab)	0-1
PCG315	Pharmaceutical Chemistry-IIA (Biochemistry-I) (Th)	3-0
PCG317	Pharmaceutical Chemistry-IIA (Biochemistry-I) (Lab)	0-1
PCU311	Pharmaceutics-IA (Physical Pharmacy-I) (Th)	3-0
PCU313	Pharmaceutics-IA (Physical Pharmacy-I) (Lab)	0-1
PCG 319	Physiology-I (Th)	3-0
PCG 321	Physiology-I (Lab)	0-1
PCG323	Anatomy & Histology (Th)	3-0
PCG325	Anatomy & Histology (Lab)	0-1
PMA317	Pharmacy Practice- IA (Pharmaceutical Mathematics)	3-0

### 2nd SEMESTER

Course Code	Course Title	Cr. Hrs.21
PHC308	Pharmaceutical Chemistry-IB (Organic-II) (Th)	3-0
PHC310	Pharmaceutical Chemistry-IB (Organic-II) (Lab)	0-1
PCG326	Pharmaceutical Chemistry-IB (Biochemistry-II) (Th)	3-0
PCG328	Pharmaceutical Chemistry-IB (Biochemistry-II) (Lab)	0-1
PCU314	Pharmaceutics-IB (Physical Pharmacy-II) (Th)	3-0
PCU316	Pharmaceutics-IB (Physical Pharmacy-II) (Lab)	0-1
PCG330	Physiology-II (Th)	3-0
PCG332	Physiology-II (Lab)	0-1
PMA318	Pharmacy Practice- IB (Biostatistics)	3-0
ENG112	English A (Functional English)	2-0

**2nd PROFESSIONAL PHARM-D****3rd SEMESTER**

Course Code	Course Title	Cr. Hrs.22
PCU413	Pharmaceutics-IIA (Dosage form science-I) (Th)	3-0
PCU415	Pharmaceutics-IIA (Dosage form science-I) (Lab)	0-1
PCG409	Pharmacology & Therapeutics-IA (General-I) (Th)	3-0
PCG411	Pharmacology & Therapeutics-IA (General-I) (Lab)	0-1
PCN411	Pharmacognosy-IA (Basic) (Th)	3-0
PCN413	Pharmacognosy-IA (Basic) (Lab)	0-1
PCU417	Pharmaceutics-IIIA (Pharmaceutical (Microbiology and Immunology-I) (Th)	3-0
PCU419	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
PCU418	Pharmaceutics-IIIB (Dosage form science-II) (Th)	3-0
PCU420	Pharmaceutics-IIIB (Dosage form science-II) (Lab)	0-1
PCG414	Pharmacology & Therapeutics-IB (General-II) (Th)	3-0
PCG416	Pharmacology & Therapeutics-IB (General-II) (Lab)	0-1
PCN414	Pharmacognosy-IB (Basic) (Th)	3-0
PCN 416	Pharmacognosy-IB (Basic) (Lab)	0-1
PCU422	Pharmaceutics-IIIB (Pharmaceutical Microbiology and Immunology-II) (Th)	3-0
PCU424	Pharmaceutics-IIIB (Pharmaceutical Microbiology and Immunology-II) (Lab)	0-1
GS 414	Islamiyat	3-0

**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
PCG509	Pharmacology & Therapeutics-IIA (Systemic Pharmacology-I) (Th)	3-0
PCG511	Pharmacology & Therapeutics-IIA (Systemic Pharmacology-I) (Lab)	0-1
PCN511	Pharmacognosy-IIA (Advanced) (Th)	3-0
PCN513	Pharmacognosy-IIA (Advanced) (Lab)	0-1
PHC515	Pharmaceutical Chemistry-IIIa (Pharmaceutical analysis/Instrumentation-I) (Th)	3-0
PHC517	Pharmaceutical Chemistry-IIIa (Pharmaceutical analysis/Instrumentation-I) (Lab)	0-1
PCU517	Pharmacy Practice-IIA (Dispensing Pharmacy) (Th)	3-0
PCU519	Pharmacy Practice-IIA (Dispensing Pharmacy) ((Lab)	0-1

**6th SEMESTER**

Course Code	Course Title	Cr. Hrs.19
PCS506	Pharmacy Practice-III (Computer & its Applications in Pharmacy) (Th)	3-0
PCS508	Pharmacy Practice-III (Computer & its Applications in Pharmacy) (Lab)	0-1
PCG512	Pharmacology & Therapeutics-IIIB (Systemic Pharmacology-II) (Th)	3-0
PCG514	Pharmacology & Therapeutics-IIIB (Systemic Pharmacology-II) (Lab)	0-1
PCN514	Pharmacognosy-IIIB (Advanced) (Th)	3-0
PCN516	Pharmacognosy-IIIB (Advanced) (Lab)	0-1
PHC518	Pharmaceutical Chemistry-IIIB (Pharmaceutical analysis/Instrumentation-II) (Th)	3-0
PHC520	Pharmaceutical Chemistry-IIIB (Pharmaceutical analysis/Instrumentation-II) (Lab)	0-1
PCU520	Pharmacy Practice-IIIB (Community Pharmacy) (Th)	3-0

**4th PROFESSIONAL PHARM-D****7<sup>th</sup> SEMESTER**

Course Code	Course Title	Cr. Hrs.19
PCU613	Pharmacy Practice-IVA (Hospital Pharmacy-I) (Th)	3-0
PCU615	Pharmacy Practice-VA (Clinical Pharmacy-IA) (Th)	3-0
PCU617	Pharmacy Practice-VA (Clinical Pharmacy-IA) (Lab)	0-1
PCU619	Pharmaceutics-IVA (Industrial Pharmacy-I) (Th)	3-0
PCU621	Pharmaceutics-IVA (Industrial Pharmacy-I) (Lab)	0-1
PCU623	Pharmaceutics-VA (Biopharmaceutics-I) (Th)	3-0
PCU625	Pharmaceutics-VA (Biopharmaceutics-I) (Lab)	0-1
PCU627	Pharmaceutics-VIA (Pharmaceutical Quality Management -I) (Th)	3-0
PCU629	Pharmaceutics-VIA (Pharmaceutical Quality Management -I) (Lab)	0-1

**8<sup>th</sup> SEMESTER**

Course Code	Course Title	Cr. Hrs.19
PCU630	Pharmacy Practice-IVB (Hospital Pharmacy -II) (Th)	3-0
PCU632	Pharmacy Practice-VB (Clinical Pharmacy -IB) (Th)	3-0
PCU634	Pharmacy Practice-VB (Clinical Pharmacy -IB) (Lab)	0-1
PCU636	Pharmaceutics-IVB (Industrial Pharmacy-II) (Th)	3-0
PCU638	Pharmaceutics-IVB (Industrial Pharmacy-II) (Lab)	0-1
PCU640	Pharmaceutics-VB (Biopharmaceutics-II) (Th)	3-0
PCU642	Pharmaceutics-VB (Biopharmaceutics-II) (Lab)	0-1
PCU644	Pharmaceutics-VIB (Pharmaceutical Quality Management-II) (Th)	3-0
PCU646	Pharmaceutics-VIB (Pharmaceutical Quality Management -II) (Lab)	0-1

**5th PROFESSIONAL PHARM-D****9<sup>th</sup> SEMESTER**

Course Code	Course Title	Cr. Hrs.19
PHC705	Pharmaceutical Chemistry-VIA (Medicinal-I) (Th)	3-0
PHC707	Pharmaceutical Chemistry-VIA (Medicinal-I) (Lab)	0-1
PCU715	Pharmacy Practice-VIA (Clinical Pharmacy-IIA) (Th)	3-0
PCU717	Pharmacy Practice-VIA (Clinical Pharmacy-IIA) (Lab)	0-1
PCU719	Pharmaceutics-VIIA (Pharmaceutical Technology-I) (Th)	3-0
PCU721	Pharmaceutics-VIIA (Pharmaceutical Technology-I) (Lab)	0-1
PCU723	Pharmacy Practice-VIIA (Forensic Pharmacy-I) (Th)	3-0
PCU725	Pharmacy Practice-VIIIA (Pharmaceutical Management & Marketing-I) (Th)	3-0

**10<sup>th</sup> SEMESTER**

Course Code	Course Title	Cr. Hrs.18
PHC708	Pharmaceutical Chemistry-VIB (Medicinal-II) (Th)	3-0
PHC710	Pharmaceutical Chemistry-VIB (Medicinal-II) (Lab)	0-1
PCU726	Pharmacy Practice-VIB (Clinical Pharmacy-IIB) (Th)	3-0
PCU 728	Pharmacy Practice-VIB (Clinical Pharmacy-IIB) (Lab)	0-1
PCU730	Pharmaceutics-VIIB (Pharmaceutical Technology-II) (Th)	3-0
PCU732	Pharmaceutics-VIIB (Pharmaceutical Technology-II) (Lab)	0-1
PCU734	Pharmacy Practice-VIIB (Forensic Pharmacy-II) (Th)	3-0
PCU736	Pharmacy Practice-VIIIB (Pharmaceutical Management & Marketing-II) (Th)	3-0

NOTE: Students are required to study The Holy Quran as per the directive of the Government of Pakistan. See section 5 (a) e (i and ii).