

# Department of Pharmacy

**Program Offered:  
Master of Science in  
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.

# Faculty Members, Department of Pharmacy

Prof. Dr. Zafar Iqbal	Professor	Ph.D (University of Strathclyde, Glasgow, UK) Post doc (University of Strathclyde, Glasgow, UK)
Prof. Dr. Kamran Ahmad Chishti	Senior Professor	Ph.D (Pharmacy), Karachi University, Mphil Pharmacy, Karachi University,
Prof. Dr. Nazar-ul-Islam	Professor	Ph.D (Chemistry), University of London
Prof. Dr. Sudhair Abbas	Professor/HOD	B.Pharm, (Gomal University), Ph.D (Pharmacy) University of Peshawar
Dr. Naila Raziq	Associate Professor	M.Phil (Pharmaceutical Chemistry), Ph.D (Pharmacy), University of Peshawar
Dr. Syed Nadeem-ul-Hassan Mohani	Assistant Professor/Coordinator	B.Pharm, M.Phil, Karachi University, Ph.D (Pharmacognosy), Karachi University
Dr. S.M. Hassan Shah	Associate Professor	B.Pharm, M.Phil, (UoP), Ph.D (Pharmaceutics) UoM, Karachi University
Dr. Faisal Shakeel	Assistant Professor (on Leave)	Pharm-D, Ph.D (Pharmacy), University of Peshawar
Dr. Peer Abdul Hannan	Assistant Professor	Pharm-D, Ph.D (Pharmacy), University of Peshawar
Dr. Muhammad Kifayatullah	Assistant Professor	M.Phil (Pharmacology), Riphah International Uni Ph.D (Pharmacy), LUC
Dr. Shehla Akbar	Assistant Professor (on Leave)	Ph.D, (Pharmacy), University of Peshawar
Dr. Irfan Ullah	Assistant Professor	Pharm-D, Ph.D (Pharmacy), University of Peshawar
Dr. Naeem Jan	Associate Professor (on Leave)	MS (Pharmaceutical Science with Mgt Studies), Kingston University London UK
Dr. Muhammad Aamir	Assistant Professor / MS Coordinator	Pharm-D, Ph.D (Pharmacy), University of Peshawar
Dr. Naila Shahbaz	Assistant Professor	M.Phil (UoM), Ph.D (Pharmacy), University of Peshawar
Dr. Sajjad Ahmad	Assistant Professor	Pharm-D, Ph.D (Pharmacy), University of Malakand
Dr. Haroon Rahim	Associate Professor	Pharm-D, M.Phil (Pharmaceutical), University of Malakand
Dr. Muhammad Asif Khan	Associate Professor	B.Pharm, Gomal University, M.Phil, (Pharmacy), University of Peshawar. Ph.D UoP
Dr. Fazli Amin	Associate Professor	B.Pharm, University of Peshawar, MS (Pharmacy), Kingston Uni Kingston, UK, Ph.D UoM
Dr. S.M. Umar Khayam	Associate Professor	B.Pharm, MS (Pharmaceutical Analysis), Strathclyde University Glasgow, UK, Ph.D UoM
Dr. Muhammad Shahid	Assistant Professor	Pharm-D, M.Phil (Pharmacy), University of Peshawar, University of Peshawar
Dr. Ashfaq Ahmad	Assistant Professor	M.Phil (Pharmaceutical Chemistry), KUST, Ph.D UoM.
Mr. Muhammad Abdullah Shah	Assistant Professor	M.Phil (Chemistry), Hazara Uni, Mansehra
Mr. Najam Afaq Qureshi	Assistant Professor	B.Pharm, M.Phil (Pharmacy), Gomal University D.I.Khan
Mr. Said Muhammad	Assistant Professor	B.Pharm, M.Phil (Pharmaceutics), Islamia University of Bahawalpur
Mr. Nasir Ali	Assistant Professor	MS (Biomedical Sciences), University of East London, UK,
Mr. Nisar Zamin Shah	Assistant Professor	Pharm-D, M.Phil (Pharmaceutical Sciences), University of Malakand
Mr. Salman Aman	Lecturer	Pharm-D, Riphah International University MS (Pharmacy), SUIT, Peshawar
Ms. Roheena Zafar	Lecturer	Pharm-D, MS (Pharmacy), Sarhad University, Peshawar
Ms. Imnum Ambreen	Lecturer (on Leave)	Pharm-D, MS (Pharmacy), Sarhad University Peshawar

# Faculty Members, Department of Pharmacy

Mr. Umar Farooq	Lecturer	MS (Pharmacy), COMSATS MS (Total Quality Management in Medicine), Punjab Uni Lahore
Mr. Fawad Mahmood	Lecturer (on Leave)	M.Phil (Pharmaceutical Sciences), University of Malakand
Ms. Faryal Liaqat Ali	Assistant Professor	Pharm-D, MS (Pharmacy), Sarhad University Peshawar
Ms. Sonia Qureshi	Lecturer (on Leave)	Peshawar, M.Phil (Pharmacology), K M U, Peshawar
Ms. Mahwish	Lecturer	Pharm-D (GU), M.Phil (UoM)
Mr. Muhammad Ibrahim	Lecturer	M.Phil (Statistics) Quaid-e-Azam Univeristy, Islamabad
Ms. Asma Shafi	Lecturer (on Leave)	Pharm-D, University of Peshawar
Ms. Nabeela Niaz	Lecturer	Pharm-D, University of Swabi, M.Phil Pharmacy UoP.
Ms. Samya Nisar	Lecturer	M.A English, Frontier Women University
Mr. Muhammad Asif Khan	Lecturer (on Leave)	M.Phil Statistics, Quaid-e-Azam, University, Islamabad
Mr. Muhammad Kamran Khan	Lecturer	Pharm-D, Gomal University, M.Phil (Pharmaceutics), Gomal University

# Master of Science in Pharmacy

Program Code	018	Minimum Duration	4 Semesters, 2 Years
Number Of Courses	12-15 + Dissertation	Maximum Duration	8 Semesters, 4 Years
Credit Hours	37-42	Minimum CGPA Required To Earn Degree	2.50

## PROGRAM OBJECTIVES:

The program objectives are to:

- Prepare graduates for better pharmacy practices in the areas including clinical pharmacy, community pharmacy, hospital pharmacy, industrial pharmacy and Academics.
- Instigate, encourage and maintain inventive research in the field of Pharmacy
- Make our graduates more skillful, competitive and knowledgeable both practically and theoretically

## ELIGIBILITY :

Candidate having degrees in (B.Pharm 4 years /Pharm-D) with 2.00 CGPA on the scale of 4.00 in semester system or at least 50% marks in annual system from any recognized institute/university is eligible to apply.

Applicant needs to pass GAT (General) to be conducted by NTS/ETEA/any Registered Testing Agency or University, with at least 50% cumulative score and to clear departmental interview at the time of Admission.

## PROGRAM OUTCOMES:

After completion of the program, scholars are 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.

## SEMESTER 1

Course Code	Course Title	Cr. Hrs. 11
RES800	Research Methods in Pharmacy (Compulsory)	2-0
	Major Course I	3-0
	Major Course II	3-0
	Major Course III	3-0

## SEMESTER 2

Course Code	Course Title	Cr. Hrs. 11
PHC821	Biostatistics (Compulsory)	2-0
	Major Course IV	3-0
	Major Course V	3-0
	Major Course VI	3-0

**SEMESTER 3**

Course Code	Course Title	Cr. Hrs. 12-9
Plan A: Course work		
	Major Course VII	3-0
	Major Course VIII	3-0
	Minor Course I	3-0
	Minor Course II	3-0
Plan B: Research work		
	Major Course VII	3-0
	Minor Course I	3-0
	Minor Course II	3-0

**SEMESTER 4**

Course Code	Course Title	Cr. Hrs. 8-6
Plan A:		
	Major Course IX	3-0
	Major Course X	3-0
RES845	Project in Pharmacy	2-0
Plan B:		
RES850	Research Thesis	0-6

**LIST OF CORE COURSES**
**PHARMACEUTICAL CHEMISTRY**

Course Code	Course Title	Cr. Hrs.
PHC 823	Drug Design	3-0
PHC 825	Spectrophotometer Analysis	3-0
PHC 827	Drug Stability	3-0
PHC 829	Clinical Chemistry	3-0
PHC 831	Electro Analytical Techniques	3-0
PHC 822	Solvent Extraction and Chromatographic Techniques	3-0
PHC 824	Medicinal Chemistry	3-0
PHC 826	Polymer Chemistry	3-0
PHC 828	Computer Application in Pharmacy	3-0
PHC 830	Macromolecular Targets	3-0
PHC 832	Carbohydrate Chemistry	3-0
PHC 833	Spectroscopic Techniques in Structure Elucidation	3-0
PHC 835	Physical Organic Chemistry	3-0
PHC 837	Quality Control in Quality Assurance	3-0

**PHARMACEUTICS**

Course Code	Course Title	Cr. Hrs.
PCU 823	Immunity and Infection	3-0
PCU 825	Pharmaceutical Marketing	3-0
PCU 827	Biopharmaceutics and Pharmacokinetics	3-0
PCU 829	Microbial Control in Pharmaceuticals	3-0
PCU 831	Quality Assurance and Quality Control	3-0
PCU 822	Physical Pharmacy-I	3-0
PCU 824	Formulation & Product Development	3-0
PCU 826	Pharmacotherapy-I	3-0
PCU 828	Pharmacotherapy-II	3-0
PCU 830	Pharmacotherapy-III	3-0
PCU 832	Personal Management	3-0
PCU 833	Computer Application in Pharmacy	3-0
PCU 835	Antimicrobial Agents	3-0
PCU 837	Physical Pharmacy-II	3-0
PCU 839	Pharmacotherapy-IV	3-0
PCU 841	Pharmacotherapy-V	3-0
PCU 843	Pharmacotherapy-VI	3-0