Dow University of Health Sciences

Excellence in Education | Innovation in Healthcare | Commitment to Society

PHARM-D

SESSION 2026-27





PROSPECTUS | DOW COLLEGE OF PHARMACY (DCOP)

QUAID'S
Message To Youth



"**Pakistan** is proud of her youth, particularly the students who have always been in the forefront in the hour of trial and need. You are the nation's leaders of tomorrow and you must fully equip yourself by discipline, education and training for the arduous task lying ahead of you. You should realize the magnitude of your responsibility and be ready to bear it" **(Jinnah, 1947).**



(Lahore, 31 st October, 1947)



VICE CHANCELLOR'S *Message*

It is a great honor for me, as the Vice Chancellor of Dow University of Health Sciences (DUHS), to welcome you to an institution that has been at the forefront of medical and health sciences education in Pakistan.

Since its establishment in 2004, DUHS has grown from three constituent colleges into a comprehensive university system comprising twenty constituent and forty-two affiliated institutions. Building upon the distinguished legacy of Dow Medical College, established in 1945, the University continues to uphold its commitment to academic excellence, professional integrity, research, innovation, and service to humanity.

The Allied Health Sciences programs at DUHS represent an essential component of modern healthcare. Through disciplines such as Pharmacy, Physical Therapy, Optometry, Medical Technology, Biotechnology, Nursing, Human Nutrition, Public Health, Radiology, Psychology, and other specialized fields, DUHS provides students with opportunities to develop the knowledge, technical expertise, and professional values required to meet the evolving needs of the healthcare sector. These programs prepare graduates to become competent, compassionate, and responsible healthcare professionals who can contribute meaningfully to patient care and community well-being.

At DUHS, we remain committed to creating an academic environment that encourages learning, discovery, collaboration, and innovation. Recognizing the growing importance of Artificial Intelligence (AI) in modern healthcare, the University is progressively integrating AI into its academic and educational framework, enabling students to become familiar with emerging technologies from the early stages of their academic journey. As healthcare continues to evolve through advances in science and technology, DUHS is dedicated to strengthening its educational and research infrastructure, expanding opportunities for interdisciplinary learning, and providing students with exposure to modern healthcare practices and state-of-the-art facilities.

I warmly welcome you to Dow University of Health Sciences, where a proud tradition of excellence meets a vision for the future, and where you will be inspired and empowered to make a meaningful difference in healthcare.

I wish you every success as you begin this important and rewarding journey.

PROF. DR. NAZLI HOSSAIN
VICE CHANCELLOR
Dow University of Health Sciences



PRINCIPAL

Message

I am delighted to welcome you to the Dow College of Pharmacy, an esteemed institution providing excellent pharmacy education in Pakistan. Dow College of Pharmacy is recognized for our inclusive ethos and commitment to the highest standards in education, which have made this institute into Pakistan's premier organization offering pharmacy education. We endeavor to set very high values of academic standards. Students aspire to attend our college in intent to accomplish their best. Together, we create a culture of accomplishments and achievements. Our outcomes are remarkable, leading to a prominent place for our alumni in the market and to the field of pharmaceutical sciences.

The Faculty of pharmaceutical Sciences, at Dow College of Pharmacy, Dow University of Health Sciences, was established in the year 2007 to provide quality pharmacy education combined with training at Hospitals and Pharmaceutical Industries of Karachi.

By providing excellent pharmaceutical education in a stimulating academic environment and thorough research, we enable our students to discover, evaluate and implement new vistas of knowledge to improve models of practice and methods of treatment in pharmacy.

We also strive to provide the concept of pharmaceutical ethics so as to mold the conduct and character of the future health care professionals. I am confident that with the team of committed faculty members and supporting staff, we will deliver the time tested human resources for the industry, health care system and society. My prayers are for the success of every student studying Pharmaceutical Sciences at the Dow College of Pharmacy, Dow University of Health Sciences, Karachi.

Thank You

PROF. DR. SUMBUL SHAMIM
DEAN
FACULTY OF PHARMACY &
PRINCIPAL
DOW COLLEGE OF PHARMACY
DUHS, Karachi.

VISION STATEMENT DUHS

To be a pre-eminent academic institution committed to changing and saving lives.

MISSION STATEMENT DUHS

Providing outstanding patient centered education, training and clinical care informed by cutting edge research and innovation generating and disseminating new knowledge.

STATEMENT OF PURPOSE (PHARM-D PROGRAM)

To provide comprehensive, progressive learning environment that encourages quality education, skill building, high ethical and moral standard in the future pharmacist who can contribute in innovative research, provide quality pharmaceutical care, consultancies and be at the forefront in providing novel pharmaceutical products.

HISTORY

Dow College of Pharmacy was established in 2007. Dow College of Pharmacy was also given the name as the Faculty of Pharmacy; Dow College of Pharmacy in the year 2014 as per the University Act.

Faculty of Pharmacy, Dow College of Pharmacy is a distinguished and well renowned entity working under the portal of Dow University of Health Sciences and recognized by Pharmacy Council of Pakistan and Higher Education Commission.

Under the Leadership of Dean and Principal, Prof. Dr. Sumbul Shamim, the Dow College of Pharmacy provides highly proficient education to its students by utilizing rich resources provided by the university. Institute is equipped with high-end facilities for its students, researchers and faculty. The faculty includes 45 highly qualified faculty members, out of which 35 hold a PhD degree in their relevant field and are also HEC approved research supervisors. College of Pharmacy is currently offering a Pharm D, MPhil and PhD Programs.

Till 2026, fourteen (14) batches of Pharm D-Morning and Seven (07) batches of Pharm.D-Evening Program have graduated from this institute. The entire group of passed out Pharmacy graduates from DCOP are giving their professional services in various national and multinational organizations within Pakistan and globally.

OVERVIEW OF DOW COLLEGE OF PHARMACY

INTRODUCTION:

Dow College of Pharmacy, Faculty of Pharmaceutical Sciences, is a distinguished and well-renowned entity working under the portal of Dow University of Health Sciences and recognized by the Pharmacy Council of Pakistan and Higher Education Commission.

The aim is to train pharmacy students, who are the backbone of the healthcare system for practicing in various healthcare settings, including hospitals, communities, clinics, etc. we are actually transforming healthcare into a global hub of innovation and opportunity.

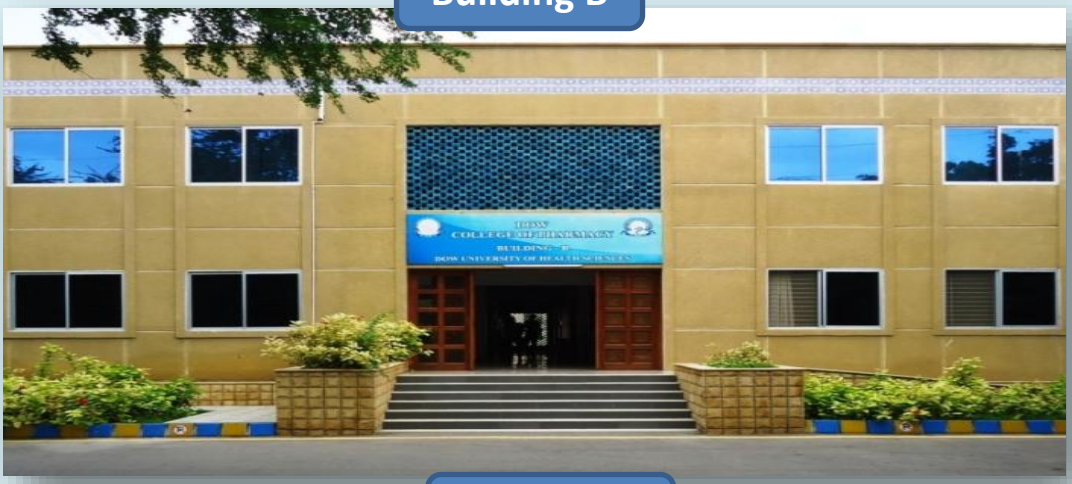
The College Campus has state of Art Buildings, well-furnished spacious classes with Audio-visual facility for teaching and learning. The Undergraduate and Postgraduate Research Labs also take the interest and attention of students

Building Structures at DCOP

Building A



Building B



Building C



The **program** provides a rigorous background in a range of scientific disciplines that are critical to the success of modern pharmaceutical scientists in industry, government, and academia. Pharm.D is a five-year based program. The training also includes hands-on experience in hospitals and pharmaceutical settings. The First Batch of 123 students (morning) passed out in 2013 and presently, 821 students of our five batches are studying in the Pharm. D program. After the successful running of the Morning shift, the evening program was launched in 2015. Under the Leadership of the **Dean & Principal, Prof. Dr. Sumbul Shamim,** Dow College of Pharmacy provides highly proficient education to its students by utilizing rich resources provided by the university. Institute is equipped with high-tech facilities for its Students, Researchers, and Faculty. The faculty is comprised of 45 highly qualified faculty members, with 35 Ph.D. degree holders in relevant fields and also HEC and DUHS Ph. D approved research supervisors. During their study of courses, students are also provided with the opportunity to carry out clinical ward rounds under the supervision of experienced faculty members and healthcare professionals. This training enables the potential pharmacist to play a significant role in strengthening the quality of health care services in our society. Students of fourth and fifth professionals complete their training in Pharmaceutical service centers of Dow University Hospital and Civil Hospital (ambulatory dispensing area, emergency room pharmacy, in-patient pharmacy, out-patient pharmacy, bulk store, satellite pharmacy) and different wards (unit) like Medical ICU, Neonatal care unit, Cardiac care unit, cardiac ward, institute of chest diseases, Gynaecology ward, Neuro. / Psychiatry ward, Gastroenterology ward, Paediatric ward, Dialysis center. This clinical training is conducted at Dow University Hospital and Civil Hospital. Till 2026, 14 batches of Pharm. D program have graduated from this institute. The entire group of passed-out Pharmacy graduates from Dow College of Pharmacy are offering professional services in various national and multinational organizations, both within and outside Pakistan.

The Faculty of Pharmaceutical Sciences, Dow College of Pharmacy comprised of three capacious building having an area of 82500 sq.ft overall. Each building has fully air-conditioned spacious lecture halls equipped with multimedia, and fully equipped laboratories including laboratories for Pharmaceutics, Pharmacology, Pharmaceutical Chemistry, Pharmacognosy, Industrial Pharmacy, Quality Management, Instrumentation, Anatomy, Physiology, Pathology, Microbiology, Physical Pharmacy, Pharmaceutical Preparation, Compounding and Dispensing and Pharmaceutical Biochemistry.

The university offers a full-time postgraduate program since 2013 in the key areas of Pharmacy and has developed the curriculum format to allow a greater range of options within the program to meet the requirements of pharmacists who have a passion for teaching and research careers in pharmacy and allied health sciences. It provides a sound understanding of drug and disease and diagnostic and instrumental approaches at the molecular level applying contemporary techniques of modern biomedicine. It provides opportunities to acquire and develop the skills of synthesis, analysis, and decision-making, required for careers in the field of pharmaceutical research. Thus, the students are trained as subject specialists, a researcher, and resource people, well equipped with the methodologies of modern trends of teaching and research in various disciplines of pharmaceutical sciences. Research students at DCOP is guided by a team of highly qualified HEC-approved supervisors, they are also provided facilities to work in advanced labs that will help in equipping the practicing pharmacists with the skills to progress into higher levels in all professions of pharmacy. This will enable them to meet

the respective intra-disciplinary and cross-disciplinary challenges on the frontiers of pharmaceutical sciences including *in vitro*, *in vivo*, cellular, computer-aided-drug designing, and screening at molecular and genetic levels, etc.

The academic activities at Faculty of Pharmaceutical Sciences, Dow College of Pharmacy are divided into five major disciplines:

1. Pharmacology.
2. Pharmaceutics.
3. Pharmaceutical Chemistry.
4. Pharmacognosy.
5. Pharmacy Practice

PHARMACOLOGY

Pharmacology is the study concerned with all aspects of actions of drugs and other chemicals on living system. It explores the action of drugs, adverse effects, drug interaction, contraindications and their pharmacokinetics. It provides pre-clinical and clinical education in areas of Pharmacology, Therapeutics and Toxicology for undergraduate and post graduate students. Pharmacological research areas include Cardiovascular Pharmacology, Clinical Pharmacology, Molecular and Biochemical Pharmacology, Neurosciences and Inflammatory Pharmacology.

PHARMACEUTICS

Pharmaceutics is the science of drug manufacturing. It involves the processes from new chemical entity turning into a dosage form, modification into the existing formulation in order to enhance their safety and efficacy. This field encompasses the knowledge and guidelines for the manufacturing of formulation, facilities used for manufacturing and regulations for the pharmaceutical manufacturing and marketing.

PHARMACEUTICAL CHEMISTRY

Pharmaceutical Chemistry addresses chemical aspects of drug development, analytical procedures, important reactions involved in quantification and quality testing of drugs. Medicinal chemistry is the most important aspect of this branch of Pharmacy, along with the other courses which make the students aware and to handle various instruments to be used for the analytical purposes including pH meter, Conductivity meter, UV-Visible Spectrophotometer, HPLC, Mass Spectrophotometer, IR and NMR Spectrophotometer, etc.

PHARMACOGNOSY

Pharmacognosy focuses on natural sources of the drugs including plants, animals and minerals. This science includes study related to Procurement of drugs from said sources, effects of these drugs on animals as well as human subjects, drug profiles etc. It also covers the clinical aspects of herbal medicines with quality control, toxicity studies as well as herbal drug interactions. It also elaborates the industrial aspects that cover the cosmaceuticals, nutraceuticals and exploration of new herbal drugs.

PHARMACY PRACTICE

Department of Pharmacy Practice was established in the year 2014 Dec. 22nd, as per the requirements set forth by the Pharmacy Council of Pakistan. The curriculum of pharmacy practice has a major focus on practicing clinical skills in the community, hospital and clinical pharmacy setups learned in the classroom. It is mandatory for student to attend Ward rounds in two different hospital settings i.e. civil hospital, Dow University hospital and OICD, OJHA Campus. Students conduct ward rounds under the supervision of teaching faculty and with the facilitation of doctors to develop an understanding of patient history taking, lab data interpretation and enable them to suggest clinical interventions (i.e. via dose calculations and adjustments, detection of ADRs and interactions, following standard treatment guidelines and evidence based medicines).

Aims & Objectives of the Pharm.D. Program:

The aims and objectives of Doctor of Pharmacy (Pharm.D.) curriculum are to prepare graduates who will have the capacity, uptodate knowledge, strong ethical values, behavior, communication, writing and social skills that will enable them to pursue careers in:

1. Pharmaceutical care in health systems and community environment where appropriate medication usage and patient's safety is paramount.
2. Pharmaceutical industry and its quality systems.
3. Academia, research and development.

Aims: 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 and safe and effective use of pharmaceuticals in the society and clinical setting. **Objectives:**

1. To keep pace with the advancements in the modern sciences.
2. To prepare the students to fulfill the industrial needs and they should be well versed with the basic medical and pharmaceutical sciences in order to prepare a dosage regimen for an individual patient.
3. Community pharmacy practice should be comprehensive.
4. Internship in various disciplines of Pharmacy should be implemented.
5. Update the syllabi of the Pharmacy keeping in view the current proposals, requirements and the Needs of the profession.
6. To make our graduates more skillful, competitive and knowledgeable both practically and theoretically.
7. To cater the local and international pharmacy needs.
8. Uniformity in the curriculum of Pharmacy at national level.
9. Credit hours should be harmonized i.e. practical and theory credit hours.

10. To make a health care practitioner who is expert in the use of medicine in all practical fields and are capable of disease state management specially to improve public health at large.

11. Upon graduation, the graduates should have the capacity, knowledge and capability to undertake career in;

a) Enhance patient safety to safe medication usage in community and health care systems

b) To work in the pharmaceutical industry and its quality system

c) To engage in academics and research i.e. Practice and Academics.

d) To prepare students as good human beings in serving the community i.e., ethics, communication skills, writing skills, behavior etc.

e) After graduation, he should become a member of health care team.

f) To help the stakeholders of pharmacy about the implications of WTO and TRIPS.

12. The syllabi should be more practical rather theoretical.

13. To include new things regarding OTC Pharmacy (Patient Pharmacist interaction).

14. To prepare pharmacy graduates for better pharmacy practice in the areas including clinical pharmacy, community pharmacy, hospital pharmacy and industrial pharmacy.

15. To add further in the curriculum clinical oriented areas as per demand of Pharm.D degree.

16. To update the current syllabi according to the needs of the national and international demand.

17. To develop graduates capable of catering the needs of national and international health organizations or authorities to help adapt the paradigm shift in the health care system.

18. To bring uniformity in the contents of the syllabi in line with International trends/ international universities imparting Pharm.D education.

19. To produce the graduates to meet the challenges of 21st century of health care problems.

Program offered at Dow College of Pharmacy

Under graduate: Pharm. D "Doctor of Pharmacy" (Morning & Evening)

Post Graduate:

M.Phil offered in all five major discipline.

Ph.D offered in all five major discipline.

SCOPE OF PHARMACY

Graduates of pharmacy program can work as an entrepreneur or in hospital setup. A pharmacist can find employment in a variety of fields, including pharmaceutical industries, hospitals, quality control, sales, marketing, research and development, and education. Pharmacy is a relatively stable career with room for advancements. The options a pharmacy graduates can consider include:

HOSPITAL PHARMACY
Hospital pharmacy is a health care service where a pharmacist engages himself in the selection, preparation, storage, compounding and /or dispensing of medicines and medical devices as well as advice patients, doctors, nurses and all healthcare professionals on how best to use them safely, effectively and efficiently.

COMMUNITY PHARMACY
As a community pharmacist, a pharmacist is *responsible for dispensing prescription and over-the-counter medicines that help people to* maintain and improve their lives. Since they can give rationale advice about health and medication to walk-in patients without an appointment, community pharmacists are regarded as the healthcare provider with the greatest accessibility to the general public.

PHARMACEUTICAL INDUSTRIES:

1. **DRUG MANUFACTURING**

Pharmaceutical industries employ pharmacy graduates where they work as production pharmacist and are responsible of supervising and managing the manufacturing processes of pharmaceutical products. They ensure compliance with quality standards, regulatory requirements and Good Manufacturing Practice (GMP) throughout the manufacturing process.

2. **QUALITY ASSURANCE**

Prior to the drug being packaged and bottled, a quality check step is required in the drug production process. The purpose of this step is to ensure that no harmful products are being sold. The importance of quality assurance in the pharmaceutical sector cannot be denied and requires services of a pharmacist.

3. **QUALITY CONTROL MANAGER**

Pharmacist can work as a Quality Control Manager, which is a continuation of the previous job scope. Pharmacists are employed to ensure that the medications are safe for consumption. They will also establish appropriate consumption limits for particular conditions as part of their work. Therefore, these people ought to be familiar with regional laws as well.

4. **SALE AND MARKETING**

In sales and marketing, pharmacy companies frequently hire recent graduates where they go to hospitals, pharmacies, and clinics to persuade them to stock their medications. Without a doubt, this position calls for strong interpersonal and communication skills.

5. **RESEARCH AND DEVELOPMENT**

In R&D, the main focus is on discovering new and improved medications or improving and enhancing already-available medications. This step may also involve minimizing side effects and securing patents for the novel medications. The pharmacist always has a chance to excel in this field.

6. **BUSINESS DEVELOPMENT**
7. **REGULATORY AFFAIRS**
8. **MEDICAL AFFAIRS**

9. **HIGHER EDUCATION**

There are many options for higher education in addition to looking for a job. Master and doctoral degrees are offered in different disciplines of pharmacy where the student can opt any depending on his personal interest.

ELIGIBILITY CRITERIA OF PHARM-D

- HSSC Pre-Medical or equivalent examination (e.g. A-Level, 12th grade etc.) duly certified by IBCC with minimum 60% marks.
- Minimum passing marks in entry test shall be 25%
- Candidate's PRC & Domicile of Sindh Province

NUMBER OF SEATS

SEAT DISTRIBUTION FOR Pharmacy COURSE at Dow College of Pharmacy

OPEN MERIT (Morning)	60
Self-Finance (Morning)	40
Self-Finance (Evening)	100
TOTAL	200

CATEGORIES OF SEATS

A. Open Merit (merit cum choice)

B. Self- Finance Morning & Evening (merit cum choice)

A. OPEN MERIT (merit cum choice)

- **60 (Sixty)** seats have been reserved for Open Merit candidates with Sindh domicile who have studied Matric / O Level AND Inter / A Level.

B. Self- Finance (Morning and Evening) [merit cum choice]

- **40 (Forty)** seats for morning and **100 (Hundred) seats for evening** are reserved for candidates, fulfilling the eligibility criteria of open merit to be selected on merit cum choice basis.

NOTE:

Admissions will be offered on MERIT CUM CHOICE BASIS IN both CATEGORIES.

FEE STRUCTURE – PHARM-D – SESSION 2026-27

DOW COLLEGE OF PHARMACY - DCOP

Fee Type	Merit	Self-Finance
Admission Fee – (at the time of admission)	PKR 50,000/-	PKR 60,000/-
Tuition Fee – (per annum)	PKR 200,000/-	PKR 350,000/-
Student Activity Charges – (per annum)	PKR 10,000/-	PKR 10,000/-
Library Fee Charges – (per annum)	PKR 10,000/-	PKR 10,000/-
Documents Verification Charges – (at the time of admission)	PKR 6,500/-	PKR 6,500/-
Without Transport	**PKR 276,500/-**	**PKR 436,500/-**
Transport Fee – (Optional**) – (**per annum**)**	PKR 50,000/-	PKR 50,000/-
With Transport	**PKR 326,500/-**	**PKR 486,500/-**

- Above amounts are excluding govt. taxes. Taxes apply as per Govt. & FBR rules.

– RULES FOR THE PAYMENT OF FEE –

The fee for each subsequent year of the respective category will have to be paid within one month of the commencement of 2nd, 3rd ,4th, Final Year.

If Payment is made after the due date, a late fee charge of 5% will be levied on the total fee.

Fee of all categories will be increased by 10% every year.

AFTER FOUR MONTHS OF NON-PAYMENT, THE SEAT IS LIABLE TO BE CANCELLED AND STUDENT WILL NOT BE ALLOWED TO APPEAR IN ANY EXAMINATION.

- Fee deposited is refundable as per the Refund policy guidelines of the DUHS.
- Taxes will be applied as per the FBR/SBR rules.
- Hostel and Transport fee will charge as per calendar year (i.e., Jan. to Dec.).
- Amounts stated in the fee vouchers are excluded of all Bank Charges.
- The Fee Structure may be revised by the university at any time during the course of the study, due to unavoidable circumstances.

All Professional Year & BS Program students are required to submit an **undertaking** affirming that they will not waste their allotted seat.
If a student withdraws from the program or fails to join after securing admission, a **SEAT WASTAGE PENALTY AS PER COMPLETE PROGRAM TUTION FEE** shall be imposed.

ACCREDITION DETALS OF DOW COLLEGE OF PHARMACY, DUHS

Dow College of Pharmacy aims to offer highest standard of education and research in the country. We endeavor to achieve our objectives in alignment with the pertinent regulatory requirements. In this regard we have always followed guidelines from the "Higher Education Commission of Pakistan (HEC)" and "Pharmacy Council of Pakistan (PCP)".
The Pharm.D Morning and Evening Programs and Postgraduate Programs (M.Phil in all 5 disciplines and PhD in all 5 disciplines) offered by Dow College of Pharmacy, are accredited by Pharmacy Council of Pakistan and Higher Education Commission of Pakistan.



The Higher Education Commission of Pakistan is an independent, autonomous, and constitutionally established institution of primary funding, overseeing, regulating, and accrediting the higher education efforts in Pakistan. We feel delighted to declare accreditation of Dow College of Pharmacy by the HEC, Pakistan.



The Pharmacy Council Pakistan (PCP) is the regulator established in terms of the Pharmacy Act, 1967 to regulate pharmacists, pharmacy support personnel and pharmacy premises in Pakistan. PCP is a professional body responsible for the registration of pharmacists and promotion of pharmacy education in the country. Dow College of Pharmacy has its graduate and undergraduate programs accredited by the PCP.

PROGRAM STRUCTURE – DOCTOR OF PHARMACY

The Doctor of Pharmacy program is structured in accordance with the provisions of the HEC Undergraduate Education Policy V 1.1., comprises of minimum 195 credit hours and spread over ten (10) regular semesters.

MININUM CREDIT HOURS FOR AWARD OF PHARM.D DEGREE		195 (if specialization is not opted)
GENERAL EDUCATION COURSES		34 credit hours (14 courses as prescribed by HEC)
MAJOR (141 CREDITS)	**Core Courses** i. Pharmacology ii. Pharmacy Practice iii. Pharmaceutics iv. Pharmacognosy v. Pharmaceutical Chemistry	141 credit hours (38 courses)
INTERDISCIPLINARY / ALLIED COURSES		14 credit hours (4 courses)
FIELD EXPERIENCE (PHARMACY PRACTICE EXPERIENCE)		3 credit hours (Clinical Pharmacy Clerkship)
CAPSTONE PROJECT		3 credit hours
PROGRAM DURATION		Minimum: 5 Years Maximum: 7 Years (Further extendable to another year subject to approval of university's statutory body)
SEMESTER DURATION		16-18 weeks for regular semesters (1-2 weeks for examination)
COURSE LOAD (PER SEMESTER)		15-21 credit hours for regular semesters
3 CREDIT HOURS (THEORY)		3 classes (1 hour each) OR 2 classes (1.5 hour each) OR 1 class (3 hours) per week throughout the semester
1 CREDIT HOUR (LAB / FIELD WORK)		1 credit hour in laboratory or practical work would require lab / field contact of 3 hours per week throughout the semester.

SCHEME OF COURSES FOR PHARM-D
(FIVE YEAR SEMESTER SYSTEM)

Standard Scheme of Study for the program of Doctor of Pharmacy program is given as under:

SEMESTER I

COURSE CODE	COURSE NAME	CREDIT HOURS	CATEGORY
PS-301	Physical Pharmacy - I [Th]	3	Major: Core (Department of Pharmaceutics)
PS-303	Physical Pharmacy – I [Lab]	1	Major: Core (Department of Pharmaceutics)
PS-305	Organic Chemistry – I [Th]	3	Major: Core Department of Pharmaceutical Chemistry)
PS-307	Organic Chemistry – I [Lab]	1	Major: Core (Department of Pharmaceutical Chemistry)
PS-309	Biochemistry – I [Th]	2	Major: Core (Department of Pharmaceutical Chemistry)
PS-311	Biochemistry – I [Lab]	1	Major: Core (Department of Pharmaceutical Chemistry)
PS-313	Physiology-I	3	Allied/Interdisciplinary (Department of Pharmacology)
PS-315	Physiology-I [Lab]	1	Allied/Interdisciplinary (Department of Pharmacology)
PS-317	Functional English *	3	General Education (Department of Pharmacognosy)
PS-319	Islamic Studies*	2	General Education (Department of Pharmacognosy)
TOTAL CREDITS (20)			

SEMESTER II

COURSE CODE	COURSE NAME	CREDIT HOURS	CATEGORY
PS-302	Physical Pharmacy – II [Th]	3	Major: Core (Department of Pharmaceutics)
PS-304	Physical Pharmacy – II [Lab]	1	Major: Core (Department of Pharmaceutics)
PS-306	Organic Chemistry – II [Th]	3	Major: Core (Department of Pharmaceutical Chemistry)
PS-308	Organic Chemistry – II [Lab]	1	Major: Core (Department of Pharmaceutical Chemistry)
PS-310	Biochemistry – II [Th]	2	Major: Core (Department of Pharmaceutical Chemistry)
PS-312	Biochemistry – II [Lab]	1	Major: Core (Department of Pharmaceutical Chemistry)
PS-314	Anatomy & Histology [Th]	2	Allied/Interdisciplinary (Department of Pharmacology)
PS-316	Anatomy & Histology [Lab]	1	Allied/Interdisciplinary (Department of Pharmacology)
PS-318	Physiology-II [Th]	3	Allied/Interdisciplinary (Department of Pharmacology)
PS-320	Physiology-II [Lab]	1	Allied/Interdisciplinary (Department of Pharmacology)
PS-322	Expository Writing *	3	General Education (Department of Pharmacy Practice)
TOTAL CREDITS (21)			

SEMESTER III

COURSE CODE	COURSE NAME	CREDIT HOURS	CATEGORY
PS-401	Drug Delivery Systems and Formulation Science – I [Th]	3	Major: Core (Department of Pharmaceutics)
PS-403	Drug Delivery Systems and Formulation Science – I [Lab]	1	Major: Core (Department of Pharmaceutics)
PS-405	Pharmacology and Therapeutics-I [Th]	3	Major: Core (Department of Pharmacology)
PS-407	Pharmacology and Therapeutics-I [Lab]	1	Major: Core (Department of Pharmacology)
PS-409	Pharmacognosy -I [Th]	3	Major: Core (Department of Pharmacognosy)
PS-411	Pharmacognosy - I [Lab]	1	Major: Core (Department of Pharmacognosy)
PS-413	Pathology [Th]	2	Allied/Interdisciplinary (Department of Pharmacology)
PS-415	Pathology [Lab]	1	Allied/Interdisciplinary (Department of Pharmacology)
PS-417	Basic Pharmaceutical Microbiology** [Th]	2	General Education, Natural Sciences (Department of Pharmaceutics)
PS-419	Basic Pharmaceutical Microbiology** [Lab]	1	General Education, Natural Sciences (Department of Pharmaceutics)
PS-421	Pakistan Studies *	2	General Education (Department of Pharmacognosy)
PS-423	Fehm-e-Quran I*	1	General Education (Department of Pharmacology)
TOTAL CREDITS (21)			

SEMESTER IV

COURSE CODE	COURSE NAME	CREDIT HOURS	CATEGORY
PS-402	Drug Delivery Systems and Formulation Science – II [Th]	3	Major: Core (Department of Pharmaceutics)
PS-404	Drug Delivery Systems and Formulation Science – II [Lab]	1	Major: Core (Department of Pharmaceutics)
PS-406	Applied Pharmaceutical Microbiology and Immunology [Th]	3	Major: Core (Department of Pharmaceutics)
PS-408	Applied Pharmaceutical Microbiology and Immunology [Lab]	1	Major: Core (Department of Pharmaceutics)
PS-410	Pharmacology and Therapeutics-II [Th]	3	Major: Core (Department of Pharmacology)
PS-412	Pharmacology and Therapeutics-II [Lab]	1	Major: Core (Department of Pharmacology)
PS-414	Pharmacognosy -II [Th]	3	Major: Core (Department of Pharmacognosy)
PS-416	Pharmacognosy - II [Lab]	1	Major: Core (Department of Pharmacognosy)
PS-418	Ideology & Constitution of Pakistan *	2	General Education (Department of Pharmacognosy)
PS-420	Fehm-e-Quran II*	1	General Education (Department of Pharmacology)
TOTAL CREDITS (19)			

SEMESTER V

COURSE CODE	COURSE NAME	CREDIT HOURS	CATEGORY
PS-501	Applied Pharmacognosy [Th]	3	Major: Core (Department of Pharmacognosy)
PS-503	Applied Pharmacognosy [Lab]	1	Major: Core (Department of Pharmacognosy)
PS-505	Pharmaceutical Analysis-I [Th]	3	Major: Core (Department of Pharmaceutical Chemistry)
PS-507	Pharmaceutical Analysis-I [Lab]	1	Major: Core (Department of Pharmaceutical Chemistry)
PS-509	Pharmacology and Therapeutics-III [Th]	3	Major: Core (Department of Pharmacology)
PS-511	Pharmacology and Therapeutics-III [Lab]	1	Major: Core (Department of Pharmacology)
PS-513	Hospital and Community Pharmacy	2	Major: Core (Department of Pharmacy Practice)
PS-515	Quantitative Reasoning – I *	3	General Education (Department of Pharmaceutical Chemistry)
PS-517	Applications of ICT [Th] (Special focus on Pharmacy)*	2	General Education (Department of Pharmaceutics)
PS-519	Applications of ICT [Lab] (Special focus on Pharmacy)*	1	General Education (Department of Pharmaceutics)
TOTAL CREDITS (20)			

SEMESTER VI

COURSE CODE	COURSE NAME	CREDIT HOURS	CATEGORY
PS-502	Advanced Pharmacognosy [Th]	3	Major: Core (Department of Pharmacognosy)
PS-504	Advanced Pharmacognosy [Lab]	1	Major: Core (Department of Pharmacognosy)
PS-506	Dispensing, Social & Administrative Pharmacy	2	Major: Core (Department of Pharmacy Practice)
PS-508	Pharmaceutical Analysis-II [Th]	3	Major: Core (Department of Pharmaceutical Chemistry)
PS-510	Pharmaceutical Analysis-II [Lab]	1	Major: Core (Department of Pharmaceutical Chemistry)
PS-512	Pharmacology and Therapeutics-IV [Th]	3	Major: Core (Department of Pharmacology)
PS-514	Pharmacology and Therapeutics-IV [Lab]	1	Major: Core (Department of Pharmacology)
PS-516	Quantitative Reasoning-II*	3	General Education (Contents of Biostatics added) (Department of Pharmaceutical Chemistry)
PS-518	Artificial Intelligence in Pharmaceutical Sciences [Th]	2	Allied/Interdisciplinary (Department of Pharmaceutics)
PS-520	Artificial Intelligence in Pharmaceutical Sciences [Lab]	1	Allied/Interdisciplinary (Department of Pharmaceutics)
TOTAL CREDITS (20)			

SEMESTER VII

COURSE CODE	COURSE NAME	CREDIT HOURS	CATEGORY
PS-601	Industrial Pharmacy – I [Th]	3	Major: Core (Department of Pharmaceutics)
PS-603	Industrial Pharmacy – I [Lab]	1	Major: Core (Department of Pharmaceutics)
PS-605	Biopharmaceutics and Pharmacokinetics – I [Th]	3	Major: Core (Department of Pharmaceutics)
PS-607	Biopharmaceutics and Pharmacokinetics – I [Lab]	1	Major: Core (Department of Pharmaceutics)
PS-609	Clinical Pharmacy-I [Th]	3	Major: Core (Department of Pharmacy Practice)
PS-611	Clinical Pharmacy-I [Lab]	1	Major: Core (Department of Pharmacy Practice)
PS-613	Pharmaceutical Quality Management System	3	Major: Core (Department of Pharmaceutics)
PS-615	Entrepreneurship *	2	General Education (Department of Pharmacy Practice)
PS-617	Civics & Community Engagement*-Th (Fulfill requirement of Pharmacy Practice-III)	1	General Education (Department of Pharmacy Practice)
PS-619	Civics & Community Engagement*- Lab (Fulfill requirement of Pharmacy Practice -III)	1	General Education (Department of Pharmacy Practice)
TOTAL CREDITS (19)			

SEMESTER VIII

COURSE CODE	COURSE NAME	CREDIT HOURS	CATEGORY
PS-602	Industrial Pharmacy – II [Th]	3	Major: Core (Department of Pharmaceutics)
PS-604	Industrial Pharmacy – II [Lab]	1	Major: Core (Department of Pharmaceutics)
PS-606	Biopharmaceutics and Pharmacokinetics – II [Th]	3	Major: Core (Department of Pharmaceutics)
PS-608	Biopharmaceutics and Pharmacokinetics – II [Lab]	1	Major: Core (Department of Pharmaceutics)
PS-610	Clinical Pharmacy-II [Th]	3	Major: Core (Department of Pharmacy Practice)
PS-612	Clinical Pharmacy-II [Lab	1	Major: Core (Department of Pharmacy Practice)
PS-614	Pharmaceutical Quality Control [Th]	2	Major: Core (Department of Pharmaceutical Chemistry)
PS-616	Pharmaceutical Quality Control [Lab]	1	Major: Core (Department of Pharmaceutical Chemistry)
PS-618	Pharmaceutical Management and Marketing**	2	General Education (Social Sciences) (Department of Pharmacy Practice)
TOTAL CREDITS (17)			

SEMESTER IX

COURSE CODE	COURSE NAME	CREDIT HOURS	CATEGORY
PS-701	Pharmaceutical Technology – I [Th]	3	Major: Core (Department of Pharmaceutics)
PS-703	Pharmaceutical Technology – I [Lab]	1	Major: Core (Department of Pharmaceutics)
PS-705	Pharmaceutical Regulatory Science-I	3	Major: Core (Department of Pharmacy Practice)
PS-707	Medicinal Chemistry-I [Th]	3	Major: Core (Department of Pharmaceutical Chemistry)
PS-709	Medicinal Chemistry-I [Lab]	1	Major: Core (Department of Pharmaceutical Chemistry)
PS-711	Advanced Clinical Pharmacy-I [Th]	3	Major: Core (Department of Pharmacy Practice)
PS-713	Advanced Clinical Pharmacy-I [Lab]	1	Major: Core (Department of Pharmacy Practice)
PS-715	Clinical Pharmacology [Th]	2	Major: Core (Department of Pharmacology)
PS-717	Clinical Pharmacology [Lab]	1	Major: Core (Department of Pharmacology)
TOTAL CREDITS (18)			

SEMESTER X

COURSE CODE	COURSE NAME	CREDIT HOURS	CATEGORY
PS-702	Pharmaceutical Technology – II [Th]	3	Major: Core (Department of Pharmaceutics)
PS-704	Pharmaceutical Technology – II [Lab]	1	Major: Core (Department of Pharmaceutics)
PS-706	Pharmaceutical Regulatory Science-II	3	Major: Core (Department of Pharmacy Practice)
PS-708	Medicinal Chemistry-II [Th]	3	Major: Core (Department of Pharmaceutical Chemistry)
PS-710	Medicinal Chemistry-II [Lab]	1	Major: Core (Department of Pharmaceutical Chemistry)
PS-712	Advanced Clinical Pharmacy-II [Th]	3	Major: Core (Department of Pharmacy Practice)
PS-714	Advanced Clinical Pharmacy-II [Lab]	1	Major: Core (Department of Pharmacy Practice)
PS-716	Bioethics (Arts & Humanities Category) **	2	General Education (Department of Pharmacology)
PS-718	Capstone Project ***	3	All five departments.
TOTAL CREDITS (20)			

TOTAL CREDIT HOURS = 195

ASSESSMENT METHODS

EXAMINATION RULES

CRITERIA FOR AWARD OF DEGREE:

For the award of the Doctor of Pharmacy degree, a student must:

a) Complete all courses in the General Education category as prescribed in HEC Undergraduate Education Policy V 1.1, including "Pakistan Studies and Fehm-e-Quran".

b) Complete the minimum required credit hours (198 without specialization, 213 with specialization).

c) Complete the mandatory Capstone / research project of three (03) credit hours.

d) Complete the mandatory Internship/Field experience of three (03) credit hours.

e) Achieve a minimum CGPA of 2.00/4.00 at the time of degree completion. (The university may set a higher standard).

f) A student who fails in a practical shall reappear in the practical only. A student who fails in theory shall reappear in theory only.

g) Universities can allocate course codes as per their own policies approved by statutory bodies.

CRITERIA FOR PROMOTION TO NEXT ACADEMIC YEAR:

1. Any student, who fails to pass the **First Professional Exam** in five chances availed or unavailed, shall cease to pursue further Pharmacy Education.

2. A student would be promoted to next higher class upon clearing **all courses of previous academic year(s).** In case of any misinterpretation and discrepancy, Principal's committee decision would be the final.

3. Attendance in each course will be compulsory for all students and no students will be eligible to appear in any course in the University examination unless he/she has attended 75% percent attendance.

   i. The attendance of students admitted in the university will be counted from the 1st day of semester and not from the date of admission.

   ii. Students called for national duty such as participation in Olympics, National or, Inter-varsities, games or going to perform Hajj would be given exemption in attendance. These cases would be decided on individual basis.

   iii. If a student is unable to attend classes after admission in the First Year, continuously for 15 days or more without informing the Principal/Dean (in writing) his/her admission will stand cancelled. In case of illness or other similar situations, application along with a medical certificate from a registered medical practitioner duly verified by the Senior Medical Officer of the University must be submitted within two days after the ailment.

   iv. Original attendance record is to be submitted to the Principal for filing and future reference.

4. The percentage of pass marks in each subject is not less than 50 percent in theory and also 50 percent in practical.

5. Grace marks are not allowed.

6. If a student fails in Theory and Pass in Practical examination, he/she will have to appear in theory exam and not in practical examination so is the case vice versa.

7. If fails in theory and practical both, he/she has to appear in both examination.

8. Distribution of 100 marks for Theory papers is as follows:

    i. 30 Marks for Mid Term examination (40% Objective, 60% Subjective).

    ii. 70 Marks for Terminal examination (40% Objective, 60% Subjective)

9. OSPE (LAB) examination is of 100 marks. External examiner shall always be present with internal examiner for written, oral and practical parts of exam.

    Marks distribution of OSPE is as follows.

    i. 80 Marks for Terminal examination

    ii. 20 Marks for Internal Evaluation.

SCHEDULE OF RETAKE EXAMINATION

Retake Exam for Odd Semester will be conducted just after the Even Semester exams. and Retake Exam of Even Semester will be conducted after the result of Even Semester Exam.

GRADING SYSTEM

Numerical Grade (NG)

Assessment of performance on the basis of marks out of 100 fixed for a course of 1 or 3 credit hours unit is NG.

Alphabetical Grade (AG)

Equivalent of numerical grades in terms of alphabets shall be termed as alphabetical grades. (Each letter carries a value in terms of numerical points).

Grading

Marks obtained in Percentage Range	GPA	GRADE
80-100	4.0	A+
75-79	4.0	A
70-74	3.7	A-
67-69	3.3	B+
63-66	3.0	B
60-62	2.7	B-
56-59	2.3	C+
50-55	2.0	C
00-49	0.0	F
Absent	0.0	Abs

DUHS STUDENT'S CONDUCT RULES

A. STUDENT'S CONDUCT RULES

(Applicable to Undergraduate and Postgraduate students of the University and its constituent or affiliated institutions)

These rules are applicable to all students who are admitted to the Dow University of Health Sciences, and include undergraduate and postgraduate medical and dental students, nurses and all those being trained in medical and allied health sciences.

1. No student or group of students shall form society / association / organization with permission from Principal of College.
2. No outsider will be invited by the students to address any meeting at the University or its constituent college / institute / school, hospital etc whether academic, social, religious or political (without prior written permission of the authorities). Decision of authorities will be final and taken on case to case basis.
3. Students are not allowed to paste any poster, pamphlet or fix banners on the wall. Graffiti on walls (wall chalking) of the premises of the University or its constituent college / institute / school, hospital etc be they, academic, social, religious or political, are also not allowed.
4. During teaching hours and / or Clinical posting, students are prohibited to play or roam around in the premises.
5. No student or group of students shall arrange any program, picnic, musical concert sports activities etc, on their own, without prior written permission from the authorities.
6. No student or group of students are allowed to collect money for any purpose whatsoever.
7. University / College Identity Card, (ID) should be displayed, at all times, when the students are in the premises of the University or its constituent college / institute / School / Hospital etc. Faculty members and security staff are authorized to check I.D cards at any time.
8. If any student wants to publish his/her scientific or literary article, he/she must get the draft approved, by the authorities. They are also required to submit the copy of the final article / paper (to be published) for record purposes to the University.
9. Students will not be allowed to address the media or the national press on any subject.
10. Students are forbidden to address higher authorities directly. Any communication intended for higher authorities, needs to be routed through proper channel (Vice Chancellor / Principal / Medical Superintendent / Director)
11. Smoking, pan chewing, littering, spitting and other activities, prejudicial to the conduct are prohibited in the classroom, laboratories, seminar / tutorial rooms, library during and after college hours and wards during clinical postings.
12. Unless specifically permitted, no student or group of students are allowed to enter administrative and department offices / telephone exchange, or teaching areas like laboratory, lecture hall of the institution or department and / or use office equipment(s) / machinery, like telephone, computer, printer, typewriter, overhead projector, slide projector or multimedia etc.
13. No student is allowed to bring a weapon and/or ammunition, liable to cause injury, or any other harmful item, inside the premises.
14. No student or group of students will threaten, stop, harass, forcibly disallow or evict another bonafide student or group of students.

15. Misbehavior with faculty members and other staff members of the University and / or its constituent college / institute / school, hospital etc, by a student or a group of students is completely prohibited. Such misdemeanors would attract penalties as severe as expulsion and rustication.
16. Willful damage to either public or personal property in the University and / or its constituent college / institute / school etc, by a student or a group of students, is completely prohibited. Such misdemeanors would be liable to penalties as severe as expulsion and rustication.
17. Use of loud speakers / amplifiers, megaphone is prohibited in the premises of the University.
18. No student will be allowed to park his / her car inside the premises of the college / University unless specifically allowed by the competent authority.

(A) SUSPENSION

A student shall be liable for suspension upto six months if he/she commits any of the following act:-

1. Misbehaves or quarrels with any teacher or member of the staff.
2. Is generally disobedient.
3. Spreads false rumours.
4. Uses unbecoming, indecent or filthy language.
5. Incites other students to violence.
6. Is inappropriately dressed.
7. Shouts, abuses, quarrels or fights with fellow students.
8. Raises slogans to hurt others, politically or religiously.
9. Interferes with the administration, including the mode or schedule of the examination.
10. Indulges in acts of immorality.
11. Indulges in any kind of political activity including displaying posters or play cards within the College.
12. Remains absent continuously for more than 4 weeks without prior permission.

(B) RUSTICATION

A student may be rusticated for a period of 3 years due to any of the following acts:-

1. Taking forceful possession, making unauthorized use or damaging any property.
2. Involving himself in any agitational activity.
3. Found indulging in activities, prejudicial and detrimental to the good order of the College.
4. Adopting unfair means during examination.
5. Disobeying an order of suspension passed against him.
6. Any other act, which the principal or the disciplinary committee considers inappropriate.
7. Anybody who does not submit the prescribed undertaking about non-involvement in political activities.

NOTE:-

Any student suspended or rusticated for the reasons mentioned above shall not be allowed to appear in the examinations.

(C) EXPULSION

A student is liable to be expelled from the college if he/she commits any of the following act and this order shall be final and irrevocable. If he/she.

1. Is found in possession of fire arms or lethal weapons or Narcotic drugs in the college premises, hostels, examination halls, teaching hospitals or any other area as specified by the university administration.
2. Remains absent for more than three months without permission of the Principal / Director, his/her admission shall be cancelled by the disciplinary committee of that college / institute.

STUDENT'S DISCIPLINARY RULES & PROCEDURE

Any student indulging in conduct contrary to the above mentioned rules shall be dealt with in accordance with the Dow University of Health Sciences Conduct Rules and the procedure mentioned below:

1. Each constituent college will have a Disciplinary Committee to be notified with the approval of the Vice Chancellor to deal with all the disciplinary matters.
2. The Principal on suo moto or on any complaint, may initiate action against any student of the college and refer the case to the Disciplinary Committee of the college for appropriate recommendation.
3. Before taking any action, the Principal shall serve a show cause notice to the student indicating briefly the charges against him. The accused student will have to give a written reply within seven days. He/She will be afforded a chance for personal hearing after which the Principal of the constituent college is empowered to suspend, rusticate or expel the student.
4. The student to whom the Principal has suspended, rusticated or expelled from the college may make appeal to the Vice Chancellor against the decision of the Principal within 30 days.
5. Any student whose name appears in the F.I.R. pertaining to any non-bailable offence as specified in the criminal procedure code (Cr.P.C.) will be suspended. During the pendency of the case he/she will not be allowed classes or take up any examination.

DRESS CODE

ALL STUDENTS MUST WEAR WHITE COAT IN THE CAMPUSES OF DMC AND OJHA CAMPUS (WITH A TAG HAVING NAMED AND CLASS) AND DECENT SHOES / SANDLE BUT NO SLIPPERS, IN CASE OF DEFAULT THEY WILL NOT BE ALLOWED TO ENTER OR A DISCIPLINARY ACTION WILL BE TAKEN.

ATTENDANCE OF STUDENTS (Short Attendance)

STUDENTS HAVING ATTENDENCE IN THE CLASS OF **LESS THAN 75% WILL NOT** BE ALLOWED TO APPEAR IN THE EXAMINATION.

RULES FOR LIBRARY

1. **One book can be borrowed from the library at one time.**
   - Books will not be issued without library card.
   - Book can be borrowed for a maximum period of 3 days.
   - There is no lending facility for reference books, CD's periodicals and newspapers.

2. **Any title in the lending section can be reserved in advance, Please make request at the library desk.**

3. **The following rules pertain to re-issuance of books.**
   - Books can be issued consecutively two times only.

4. **A late fine will be changed if book is returned late.**
   - Rs. 50/= per book per day.

5. **The following rules pertain to book lost / damaged.**
   - In case of damage, full price of the book will be charged.
   - In case of loss, 200% price of the book will be charged.
   - No marking, either in pencil, pen or highlighter is allowed on the books. The ook will be inspected at the time of return. In case books are found marked, a fine of Rs. 50 will be charged.

6. **Reference books will not be issued for photocopy.**
7. Membership can be cancelled for a minimum period of 10 days and this period can be increased in case the student is found continuing violation of rules of library.

Financial Assistance

- Financial assistance is provided to the students through various Prime Minister Scheme such as Ehsaas Scholarship, HEC Need Based Scholarship Sindh Endowment Fund, Zahid Bashir and Dow 97 foundation and Ahsan trust sponsored by Meezan bank based on merit cum need basis and etc.

- The university also provides fee installment facility to the needy and deserving students.

NO. OF STUDENTS GRADUATED AND STUDYING

Currently 484 Students are enrolled in morning shift in all five batches.

337 students are enrolled in five batches of the Pharm-D Evening program.

BATCH	YEAR	SEMESTER	NO. OF STUDENTS (Morning)	NO. OF STUDENTS (EVENING)	TOTAL
2025	1ST YEAR	1ST	100	109	209
2024	2ND YEAR	3RD	100	79	179
2023	3RD YEAR	5TH	94	50	148
2022	4TH YEAR	7TH	99	52	151
2021	5TH YEAR	9TH	91	47	138
		TOTAL	484	337	821

To date**, Fourteen (14) batches of Pharm-D program** have graduated from this institute. Almost **1635 passed out Pharmacy graduates.**

Facilities and Salient Features

- There are Spacious class rooms with Audio Visual facilities and centrally air condition for lecture delivery as per advanced teaching methodology, tutorial rooms, animal house, medicinal garden, examination hall and seminar hall for academic activities of the students.
- Excellent laboratory facilities are provided to students where they can work and learn properly. The laboratories are well equipped spacious space laboratories for hands on training during education with latest equipment/machines
- Well provided Library with all types of books and Research Journals on all topics that will be taught to you.
- Digital Library with more than 200 separate working stations for each student for hands on training of Computer and advanced software applications in Pharmacy.
- There is fully maintained animal house that provides animals for the smooth execution of pharmacological experiments.
- Students are properly evaluated through well-structured and organized examination system.
- Regular seminars, workshops and conferences are organized for the dissemination of updated knowledge. Frequent career counseling sessions are also conducted.
- Students are with facility of mentorship in academic and administrative affairs.
- There is also a network of alumni for students' facilitation and inspiration.
- Students are also encouraged to participate in the student's week organized by university that includes sport week, talent show, cooking, body building, singing and poetry competition etc.
- Centralized mosque and spacious cafeteria are also available in the university premises.

FACILITIES

In-house Facilities:



Pharmacetuics Lab



Microbiology Lab



Pharmacology Lab



Pharmaceutical Chemistry Lab



Pharmacognosy Lab



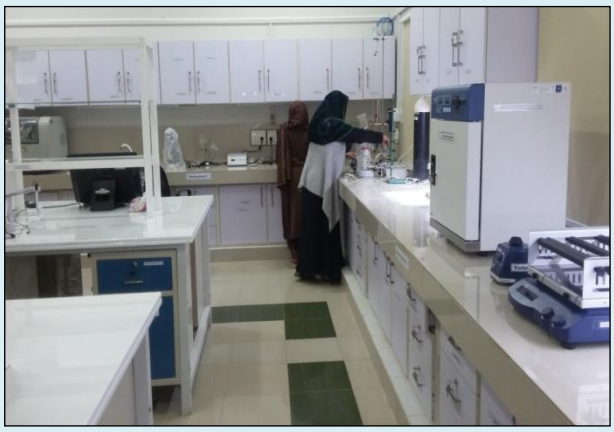
Industrial Pharmacy Lab

Systemic and Molecular Pharmacology Research Lab









Pharmaceutics Research Lab





Pharmaceutical Chemistry Research Lab





Hospital and Clinical Pharmacy









Common Rooms, Souvenir Shop and Well Planned Campus Space

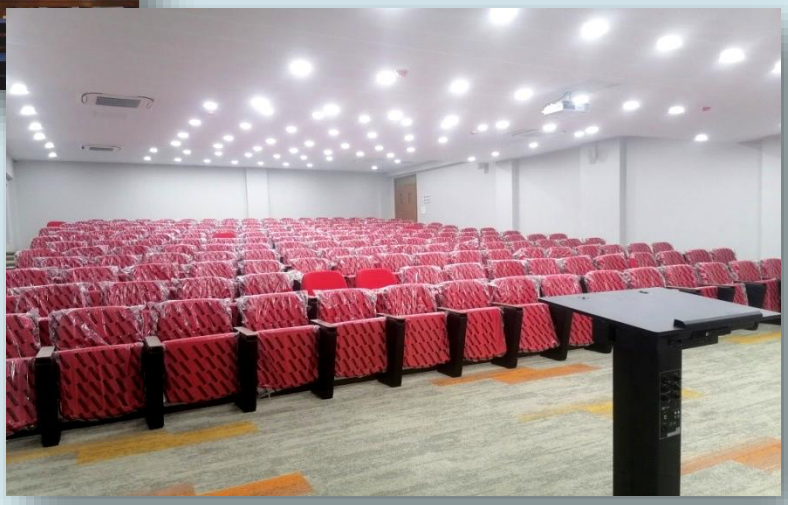






Well Equipped Lecture Halls





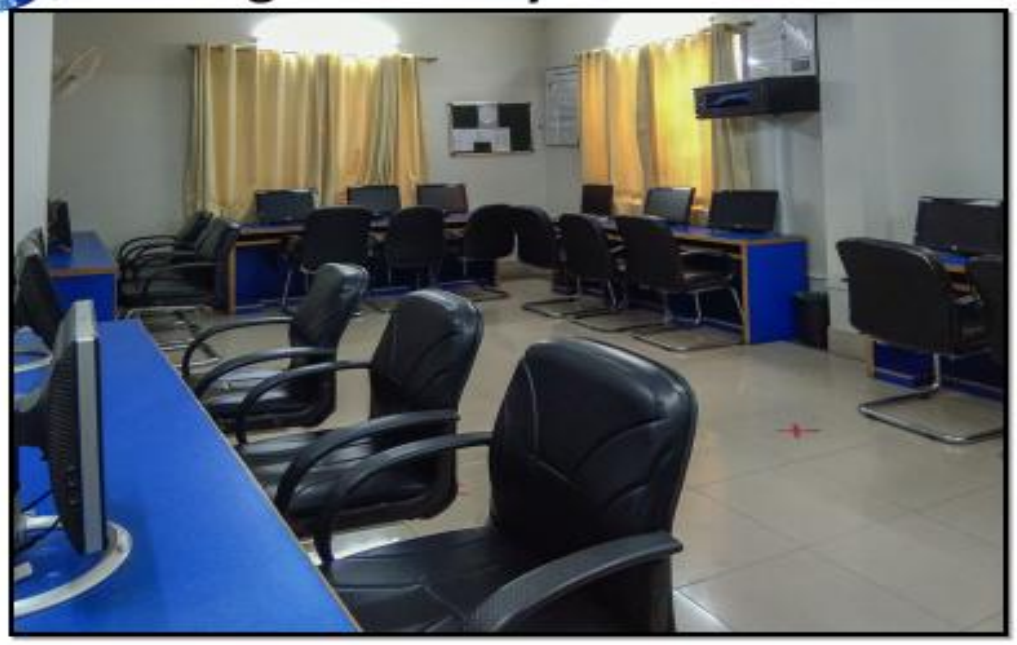


Well Provided Library with all Types of Books and Research Journals on all Topic





Digital Library at DCOP





Digital Library Facility in Main Library Block, Ojha Campus.
> 200 Work Stations





Animal House at Ojha Campus











Medicinal Herbal Garden



Plantation Activity in Medicinal Herbal Garden of Dow College of Pharmacy.



Gymnasium facility at Ojha Campus



Cricket ground facility at Ojha Campus





STUDENTS' SOCIETIES AT DOW COLLEGE OF PHARMACY

A society is an organization operated by Faculty members and students at a university or college level for those with shared interests, such as professional development, or community services. These societies are integral to student life, fostering leadership, personal growth, and creativity outside of academics by providing a platform for activities like debate, art, sports, or entrepreneurship etc.

Following are the Students' societies in Dow College of Pharmacy are as follows.

S#	Society Name
1	Arts and Drama society (ANDS)
2	Literary and Scientific society (LASS)
3	Sports Society (SPS)
4	Community Welfare Society (CWS)
5	Events Marketing and Reporting Society (EMRS)

Proud Achievement for Dow College of Pharmacy, DUHS

The **DCOP Games Day 2026** was organized by the **Sports Committee of** Dow College of Pharmacy on **17 January 2026**. The event aimed to promote physical fitness, teamwork, sportsmanship, and healthy competition among students. Multiple indoor and outdoor games were conducted with enthusiastic participation from students across different professional years.

Name of Student	Inter-departmental / National	Name of Event	Date	Organizing Body	Position Achieved	Incentives Offered
Sobia	Inter-departmental	DCOP Games Day 2026 – Badminton (Female Singles)	17 Jan 2026	Dow College of Pharmacy	1st Position (Winner)	Medal
Mustabshira	Inter-departmental	DCOP Games Day 2026 – Badminton (Female Singles)	17 Jan 2026	Dow College of Pharmacy	2nd Position (Runner-up)	—
Syed Taha	Inter-departmental	DCOP Games Day 2026 – Badminton (Male Singles)	17 Jan 2026	Dow College of Pharmacy	1st Position (Winner)	Medal
Furqan Ali	Inter-departmental	DCOP Games Day 2026 – Badminton (Male Singles)	17 Jan 2026	Dow College of Pharmacy	2nd Position (Runner-up)	—
Sobia, Amna	Inter-departmental	DCOP Games Day 2026 – Badminton (Female Doubles)	17 Jan 2026	Dow College of Pharmacy	1st Position (Winner)	Medal
Mustabshira, Fareen	Inter-departmental	DCOP Games Day 2026 – Badminton (Female Doubles)	17 Jan 2026	Dow College of Pharmacy	2nd Position (Runner-up)	—
Hamza Dawood, Noorain	Inter-departmental	DCOP Games Day 2026 – Badminton (Male Doubles)	17 Jan 2026	Dow College of Pharmacy	1st Position (Winner)	Medal
Asjad, Omer	Inter-departmental	DCOP Games Day 2026 – Badminton (Male Doubles)	17 Jan 2026	Dow College of Pharmacy	2nd Position (Runner-up)	—
Wania Ather	Inter-departmental	DCOP Games Day 2026 – Table Tennis (Female Singles)	17 Jan 2026	Dow College of Pharmacy	1st Position (Winner)	Medal
Rameen	Inter-departmental	DCOP Games Day 2026 – Table Tennis (Female Singles)	17 Jan 2026	Dow College of Pharmacy	2nd Position (Runner-up)	—
Emaan ellahi	Inter-departmental	3 leg race	17 Jan 2026	Dow College of Pharmacy	1st Position (Winner)	Medal

Guest Speaker Session on "Empowering Pharma Entrepreneurs" at DCOP, DUHS (22 June 2026)

Dow College of Pharmacy, Dow University of Health Sciences, is organizing an engaging guest speaker session titled "Empowering Pharma Entrepreneurs: An OER Toolbox for Startup Success".

Date: 22 June 2026
Time: 01:15 PM
Venue: Lecture Hall-1, Ground Floor, New Building, DCOP (Ojha Campus), DUHS

Guest Speaker:
Dr. Zareen Amtul, PhD
Faculty and Chair, Materials Chemistry and Engineering (MMCE) Program
Department of Chemistry & Biochemistry, University of Windsor, Canada



Guest Speaker Session on "Empowering Pharma Entrepreneurs" at DCOP, DUHS (22 June 2026)







UNIVERSITY-COMMUNITY INTERACTION

As part of its commitment to community engagement and social responsibility, the Community Welfare Society of Dow College of Pharmacy (DCOP) organized a Winter Donation Drive during December 2025. The initiative aimed to support underprivileged individuals and families by collecting winter clothing and essential items during the cold season. Students and faculty members actively participated in the campaign, demonstrating compassion, empathy, and a strong sense of civic responsibility.

A total of 65 winter clothing items were collected, carefully sorted, and categorized for equitable distribution. The collected donations were formally handed over to the Edhi Welfare Foundation, Sohrab Goth Centre, for distribution among deserving beneficiaries. Through this collaborative effort, students gained valuable exposure to community service and humanitarian work while contributing positively to society. The activity strengthened the culture of volunteerism within the institute and reinforced the role of future pharmacists as socially responsible healthcare professionals dedicated to serving their communities.



The Community Welfare Society of Dow College of Pharmacy (DCOP) organized a Ramzan Ration Drive 2026 to support financially deserving members of the university community during the holy month of Ramadan. Through contributions from students, faculty, and other donors, funds were collected to procure essential grocery items and prepare ration bags.

The initiative specifically aimed to assist DUHS support staff, including security guards, porters, and janitorial personnel, in recognition of their valuable services to the university. Students actively participated in fundraising, procurement, packaging, and distribution activities, providing them with a meaningful opportunity to engage in community service and humanitarian work. The activity promoted empathy, social responsibility, teamwork, and the spirit of giving, while strengthening the institute's commitment to community welfare and outreach.

INDUSTRIAL VISITS OF FINAL YEAR STUDENTS

Hoechst Pharma Pvt Ltd:
Enhancing Practical Learning for PharmD Students

Under the leadership of Principal Professor Dr. Sumbul Shamim, organized industrial visits for final-year Pharm.D students. This visits, held at Hoechst Pharma Pvt Ltd Pakistan—provided an invaluable opportunity for students to gain hands-on exposure to pharmaceutical manufacturing processes.

Students observed the production of oral solid dosage forms, liquid dosage forms, and sterile products, including antibiotics like penicillin. They also learned about Quality Control (QC) and Quality Assurance (QA) procedures, enhancing their understanding of industrial standards and practices. The visits, catering to both morning and evening shift students, served as a bridge between academic knowledge and practical applications.

The initiative was expertly supervised by esteemed faculty members from the Department of Pharmaceutics, including Dr. Shumaila Shafique, Dr. Omer Mustapha, Dr. Wajiha Iffat,. These activities were facilitated by the Principal Professor Dr. Sumbul Shamim and Vice Principal Dr. Hafiz Muhammad Arshad played a pivotal role in the successful execution of these visits.




Fire Hooter


Hoechst
PAKISTAN


Hoechst
PAKISTAN


Hoechst
PAKISTAN

HOSPITAL VISIT FOR OUR PHARM.D STUDENTS

Hospital visit is an important phase of learning. It provides student an exposure of the different practical approaches applied in clinical settings. The basic goal of hospital visit is to observe how the theoretical approaches studied during university, are being implemented in practical environment.
A visit to Indus Hospital was organized by Dow College of Pharmacy, Dow University of Health Sciences on 30th September, 2024 & 2nd October 2025 for final year students. During the visit, students were shown howthe range of clinical services are performed in hospital. The Indus Hospital and Health Network is a tertiary care multidisciplinary hospital and healthcare system in Pakistan. It is located in Korangi. It is the first paperless hospital in the country; the hospital has an e-cardiology system.







FACULTY AT DOW COLLEGE OF PHARMACY



1. Department of Pharmacology

S.#	Name	Designation
1	**Prof. Dr. Sumbul Shamim**	**Professor of Pharmacology** **PRINCIPAL, Dow College of Pharmacy** **&** **DEAN, Faculty of Pharmacy**
2	**Prof. Dr. Noor Jahan**	**Professor, & Chairperson,** Department of Pharmacology
3	Dr. Saima Mahmood	**Associate Professor** Dept. of Pharmacology
4	Dr. Shumaila Aman	**Assistant Professor** Dept. of Pharmacology
5	Dr. Hina Abrar	**Assistant Professor** Dept. of Pharmacology
6	Dr. Faheema Siddiqui	**Assistant Professor** Dept of Pharmacology
7	Dr. Auwais Ahmed khan	**Assistant Professor** Dept. of Pharmacology
8	Dr. Hira Hanif	**Assistant Professor** Dept. of Pharmacology
9	Dr. Hina Tabassum	**Lecturer** Dept. of Pharmacology
10	Dr. Tehreem Fatima	**Research Assistant** Dept. of Pharmacology

2. Department of Pharmaceutics

S.#	Name	Designation
1	**Prof. Dr. Tariq Ali**	**Professor, & Chairperson, Department of Pharmaceutics**
2	Dr. Hafiz Muhammad Arshad	**Associate Professor &** ***VICE PRINCIPAL***, Dept. of Pharmaceutics
3	Dr. Anab Fatima	**Associate Professor** Dept of Pharmaceutics
4	Dr. Mahwish Rizvi	**Associate Professor** Dept of Pharmaceutics
5	Dr. Riffat Yasmin	**Assistant Professor** Dept of Pharmaceutics
6	Dr. Shumaila Shafique	**Assistant Professor** Dept of Pharmaceutics
7	Dr. Wajiha Iffat	**Assistant Professor** Dept of Pharmaceutics
8	Dr. Sana Ghayas	**Assistant Professor** Dept of Pharmaceutics
9	Dr. Syed Ahsan Ali	**Assistant Professor** Dept of Pharmaceutics
10	Dr. Hina Saleem	**Assistant Professor** Dept of Pharmaceutics
11	Dr. Omer Mustapha	**Assistant Professor** Dept of Pharmaceutics
12	Dr. Syed Saoud Zaidi	**Assistant Professor** Dept of Pharmaceutics
13	Dr. Rahila Bano	**Assistant Professor** Dept of Pharmaceutics
14	Dr. Saba Inayat Ali	**Lecturer** Dept of Pharmaceutics

3. Department of Pharmaceutical Chemistry

S.#	Name	Designation
1	**Dr. Moona Mehboob Khan**	**Associate Professor** **Incharge, Dept of Pharm. Chemistry**
2	Dr. Mahwish Akhtar	**Assistant Professor** Dept of Pharm. Chemistry
3	Dr. Sana Shamim	**Assistant Professor** Dept of Pharm. Chemistry
4	Dr. Wajiha Gul	**Assistant Professor** Dept of Pharm. Chemistry
5	Dr. Sabahat Naeem	**Assistant Professor** Dept of Pharm. Chemistry
6	Dr. Rabya Munawar	**Assistant Professor** Dept of Pharm. Chemistry
7	Dr. Faisal Muhammad Khan	**Lecturer** Dept of Pharm. Chemistry
8	Dr. Sadia Iqbal	**Lecturer** Dept of Pharm. Chemistry

4. Department of Pharmacognosy

S.#	Name	Designation
1	**Dr. Farah Saeed**	**Associate Professor** **Incharge, Dept. of Pharmacognosy**
2	Dr. Umbreen Farrukh	**Assistant Professor** Dept of Pharmacognosy
3	Dr. Tehseen Quds	**Assistant Professor** Dept. of Pharmacognosy
4	Dr. Hina Zahid	**Assistant Professor** Dept. of Pharmacognosy
5	Dr. Hina Yasin	**Assistant Professor** Dept. of Pharmacognosy
6	Dr. Madiha Khan	**Lecturer** Dept. of Pharmacognosy

5. Department of Pharmacy Practice

S.#	Name	Designation
1	**Dr. Fakhsheena Anjum**	**Associate Professor &** **Incharge, Dept of Pharmacy Practice**
2	Dr. Najia Rahim	**Associate Professor** Dept of Pharmacy Practice
3	Mr. Imran Ahsan Mallick	**Assistant Professor** Dept of Pharmacy Practice
4	Dr. Sadia Shakeel	**Assistant Professor** Dept of Pharmacy Practice
5	Dr. Kashif Ali	**Assistant Professor** Dept. of Pharmacy Practice
6	Dr. Ale Zehra	**Assistant Professor** Dept. of Pharmacy Practice
7	Dr. Farah Khalid	**Lecturer/ Pharmacist** Dept of Pharmacy Practice

(Sample of Affidavit should be on Rs. 100 stamp paper)

AFFIDAVIT

I, _____ S/o, D/o, am offered admission in Doctor of Pharmacy (Pharm-D) Program at Dow College of Pharmacy, Dow University of Health Sciences Karachi, hereby undertake that:

1. All my documents statement and particulars are true to the best of my knowledge. In case these are found false/ incorrect, I will be liable to refusal of my admission in "Pharm-D Program" by the university and if admitted would be liable to expelled from institute at any time during the course undertake that I will not get admission in any other college / university of Pakistan during this 05 years period.
2. I also hereby undertake that I have been informed about the fee structure for program and duly accepted by me. I will submit the prescribed fee within due dates and will not ask for any concession/waiver/relief in fee till the completion of the program.
3. I also undertake that after my final selection/provisional admission on open merit/self-finance seat in Pharm-D program, the category will not be changed and I shall complete the program of five years. However, if I leave the seat before completion of program, I shall be liable to pay the penalty fee as per university rules and regulations for wasting the precious seat, else I will not be entitled to issuance any certificate/ document from the institution.
4. I also undertake that I hold PRC & domicile of Sindh Province only. In case of my domicile is found fake, my admission will be cancelled with immediate effect.
5. I also undertake that I will abide by all the rules and regulations of the university. If I fail to observe the discipline of university at any time during the program, the disciplinary action could be taken by the university authorities.

In case of violation of any of the above said rules / regulations, the DUHS has the full right to cancel my admission and will have no legal bindings upon DUHS.

_____
Candidate Signature
Candidate Name_____
CNIC No.:_____

Witness 01:
Name:_____
Signature:_____
CNIC No.:_____

Witness 02:
Name:_____
Signature:_____
CNIC No.:_____