

# **Students' Handbook**

## OVERVIEW OF DOW COLLEGE OF PHARMACY

### INTRODUCTION:

Dow College of Pharmacy was established in early 2008 and is now one of the top-ranked faculties of the Sindh province. Dow College of Pharmacy was upgraded to the Faculty of Pharmaceutical Sciences; Dow College of Pharmacy in the year 2014. Faculty of Pharmaceutical Sciences, Dow College of Pharmacy 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 **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, 731 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 **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-end facilities for its Students, Researchers, and Faculty. The faculty is comprised of 48 highly qualified faculty members, with 33 Ph.D. degree holders in relevant fields and also HEC 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 2022, ten 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. 22<sup>nd</sup>, 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).

# Message of the PRINCIPAL



**PROF. DR. SUMBUL SHAMIM**  
**PRINCIPAL**  
**Dow College of Pharmacy &**  
**CHAIRPERSON**  
**Department of Pharmacology**  
**DUHS, Karachi.**

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 mould 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

## **DUHS VISION**

Be an academic leader by generating creative, collaborative, contextual resources to improve health and education by all possible means.

## **DUHS MISSION**

To provide leadership in creating and imparting knowledge through excellence in research and education with the aim to provide cost effective, contextually relevant and quality community services through its faculty, staff and graduates, with continuous efforts for improvement through reflection and learning.

## **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.

# **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 in Pharmacology .

## **SCOPE OF PHARMACY**

### ***EXCITING OPPORTUNITIES IN THE PHARMACY FIELD SUCH AS:***

- Hospital Pharmacy - Staff Pharmacist, Clinical Pharmacist, Pharmacy Administrator.
- Pharmacy Consultant - Home Health Care, Long-Term Care Facilities, Poison Control Centre.
- Pharmaceutical Industry - Research and Development Pharmacist, Production Pharmacist, Quality Control and Quality Assurance Pharmacist,
- Government Agencies – Ministry of Health, Public Health Services, Drug and Food Inspector and regulatory affairs.
- College and Universities - Research and academia.
- Nuclear Pharmacy - Chemotherapy pharmacist.
- Pharmacy Journalism



# Dow College of Pharmacy

A



B



C



## **Eligibility Criteria :**

- HSSC (Intermediate Science) Pre-Medical/ A-Level or Equivalent, Min. 60% marks or equivalent only certified by IBCC
- Minimum passing marks in entry test shall be 25%
- Candidate's Domicile of Sindh

## **NUMBER OF SEATS**

### **SEAT DISTRIBUTION FOR Pharmacy COURSE at Dow College of Pharmacy**

OPEN MERIT	60
Self-Finance (Morning)	40
Self-Finance (Evening)	50
TOTAL	150

### **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 **50 (Fifty) 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.

## **ACCREDITATION DETAILS 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 Pharmacology) 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.

# SCHEME OF COURSES FOR PHARM-D

## (FIVE YEAR SEMESTER SYSTEM)

### 1<sup>ST</sup> Professional Pharm-D

Semester- I			Semester-II		
COURSE NO	SUBJECT	CR HR	COURSE NO	SUBJECT	CR HR
ENG-300	English-A (F English)	2	ENG-301	English-B (Communication & Writing skills)	2
PD-301	Physical Pharmacy-I [Th]	3	PD-302	Physical Pharmacy-II [Th]	3
PD-303	Physical Pharmacy-I [Lab]	1	PD-304	Physical Pharmacy-II [Lab]	1
PD-305	Pharmaceutical Mathematics	3	PD-306	Pharmaceutical Organic Chemistry-II [Th]	3
PD-307	Pharmaceutical Organic Chemistry –I [Th]	3	PD-308	Pharmaceutical Organic Chemistry-II [Lab]	1
PD-309	Pharmaceutical Organic Chemistry –I [Lab]	1	PD-310	Pharmaceutical Biochemistry-II [Th]	3
PD-311	Pharmaceutical Biochemistry-I [Th]	3	PD-312	Pharmaceutical Biochemistry-II [Lab]	1
PD-313	Pharmaceutical Biochemistry-I [Lab]	1	PD-314	Physiology - II [Th]	3
PD-315	Physiology - I [Th]	3	PD-316	Physiology [Lab]	2
PD-317	Anatomy & Histology-I [Th]	2	PD-318	Anatomy & Histology-II [Th]	2
			PD-320	Anatomy & Histology [Lab]	1
	<b>Total Cr. Hr</b>	<b>22</b>		<b>Total Cr. Hr</b>	<b>22</b>

## 2<sup>nd</sup> Professional Pharm-D

Semester-III			Semester-IV		
Course No	Subject	Cr Hr	Course No	Subject	Cr Hr
ISL-400	Islamic Studies	2	PKS-401	Pakistan Studies	2
PD-401	Pharmaceutical Microbiology and Immunology- I [Th]	3	PD-402	Pharmaceutical Microbiology and Immunology - II [Th]	3
PD-403	Pharmaceutical Microbiology and Immunology -I [Lab]	1	PD-404	Pharmaceutical Microbiology and Immunology -II [Lab]	1
PD-405	Pharmaceutical Preparation and Dosage form Science-I [Th]	3	PD-406	Pharmaceutical Preparation and Dosage form Science -II [Th]	3
PD-407	Pharmaceutical Biostatistics	3	PD-408	Pharmaceutical Preparation and Dosage form Science [Lab]	2
PD-409	Pharmacology & Therapeutics -I [Th]	3	PD-410	Pharmacology & Therapeutics -II [Th]	3
PD-411	Pharmacology & Therapeutics -I [Lab]	1	PD-412	Pharmacology & Therapeutics -II [Lab]	1
PD-413	General Pharmacognosy [Th]	3	PD-414	Pathology-I [Th]	2
PD-415	Pharmacognosy - I [Lab]	1	PD-416	Chemical Pharmacognosy [Th]	3
			PD-418	Pharmacognosy - II [Lab]	1
	<b>Total Cr. Hr</b>	<b>20</b>		<b>Total Cr. Hr</b>	<b>21</b>

### 3<sup>rd</sup> Professional Pharm-D

Semester- V			Semester- VI		
Course No	Subject	Cr Hr	Course No	Subject	Cr Hr
PD-501	Pharmacology & Therapeutics-III [Th]	3	PD-502	Pharmacology & Therapeutics –IV [Th]	3
PD-503	Pharmacology & Therapeutics-III [Lab]	1	PD-504	Pharmacology & Therapeutics-IV [Lab]	1
PD-505	Pathology-II [Th]	2	PD-506	Computer & its Application in Pharmacy [Th]	3
PD-507	Pathology [Lab]	1	PD-508	Computer & its Application in Pharmacy [Lab]	1
PD-509	Pharmaceutical Analysis and Instrumentation-I [Th]	3	PD-510	Pharmaceutical Analysis and Instrumentation-II [Th]	3
PD-511	Pharmaceutical Analysis and Instrumentation-I [Lab.]	1	PD-512	Pharmaceutical Analysis and Instrumentation-II [Lab.]	1
PD-513	Advanced Pharmacognosy - I [Th]	3	PD-514	Advanced Pharmacognosy - II [Th]	3
PD-515	Pharmacognosy - III [Lab]	1	PD-516	Pharmacognosy - IV [Lab]	1
PD-517	Compounding & Dispensing Pharmacy [Th]	3	PD-518	Community Pharmacy [Th]	3
PD-519	Compounding & Dispensing Pharmacy [Lab]	1			
	<b>Total Cr. Hr</b>	<b>19</b>		<b>Total Cr. Hr</b>	<b>19</b>

**4<sup>th</sup> Professional Pharm-D**

<b>Course No</b>	<b>Subject</b>	<b>Cr Hr</b>	<b>Course No</b>	<b>Subject</b>	<b>Cr Hr</b>
PD-601	Hospital Pharmacy-I [Th]	3	PD-602	Hospital Pharmacy-II [Th]	3
PD-603	Industrial Pharmacy-I [Th]	3	PD-604	Industrial Pharmacy-II [Th]	3
PD-605	Industrial Pharmacy-I [Lab]	1	PD-606	Industrial Pharmacy-II [Lab]	1
PD-607	Pharmaceutical Quality Management-I [Th]	3	PD-608	Pharmaceutical Quality Management-II [Th]	3
PD-609	Pharmaceutical Quality Management-I [Lab]	1	PD-610	Pharmaceutical Quality Management-II [Lab]	1
PD-611	Clinical Pharmacy- I [Th]	3	PD-612	Clinical Pharmacy –II [Th]	3
PD-613	Clinical Pharmacy-I [Lab]	1	PD-614	Clinical Pharmacy-II [Lab]	1
PD-615	Clinical Pharmacognosy [Th]	3	PD-616	Medicinal Chemistry-II [Th]	3
PD-617	Medicinal Chemistry-I [Th]	2	PD-618	Medicinal Chemistry-I [Lab]	1
	<b>Total Cr. Hr</b>	<b>20</b>		<b>Total Cr. Hr</b>	<b>19</b>

**5<sup>th</sup> Professional Pharm-D**

Semester IX			Semester X		
Course No	Subject	Cr Hr	Course No	Subject	Cr Hr
PD-701	Clinical Pharmacy-III [Th]	3	PD-702	Clinical Pharmacy-IV [Th]	3
PD-703	Clinical Pharmacy-III [Lab]	1	PD-704	Clinical Pharmacy-IV [Lab]	1
PD-705	Pharmaceutical Technology-I [Th]	3	PD-706	Pharmaceutical Technology-II [Th]	3
PD-707	Forensic Pharmacy-I [Th]	2	PD-708	Pharmaceutical Technology [Lab]	2
PD-709	Biopharmaceutics & Pharmacokinetics-I [Th]	3	PD-710	Forensic Pharmacy-II [Th]	2
PD-711	Pharmaceutical Marketing & Management-I [Th]	3	PD-712	Biopharmaceutics & Pharmacokinetics -II [Th]	3
PD-713	Medicinal Chemistry- III [Th]	3	PD-714	Biopharmaceutics & Pharmacokinetics [Lab]	2
PD-715	Medicinal Chemistry- II [Lab]	1	PD-716	Pharmaceutical Marketing & Management-II [Th]	3
	<b>Total Cr. Hr</b>	<b>19</b>		<b>Total Cr. Hr</b>	<b>19</b>



## **SUMMARY OF COURSES CR.Hrs**

	<b>1<sup>st</sup> Semester</b>	<b>2<sup>nd</sup> Semester</b>	<b>Total</b>
	<b>Cr. Hrs</b>	<b>Cr. Hrs.</b>	<b>Cr. Hrs</b>
1 <sup>st</sup> Prof.	22	22	44
2 <sup>nd</sup> Prof	20	21	41
3 <sup>rd</sup> Prof	19	19	38
4 <sup>th</sup> Prof	20	19	39
5 <sup>th</sup> Prof	19	19	38
<b>Total</b>	<b>100</b>	<b>100</b>	<b>200</b>

## ASSESSMENT METHODS

### EXAMINATION RULES

#### **CRITERIA FOR AWARD OF DEGREE:**

1. For the award of degree students must pass all the courses taught during five years education of Pharm.D.

#### **CRITERIA FOR PROMOTION TO NEXT ACADEMIC YEAR:**

1. Any Students, 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 continuously for 15 days or more without informing the Dean/Chairpersons of the Departments (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 record and future reference.
4. The percentage of pass marks in each subject is not less than 50 percent both in theory and 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. 40 Marks for non-observable stations.
- ii. 20 Marks for interactive Station for Viva
- iii. 20 Marks for Lab Performance in Exam
- iv. 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.

### **MAXIMUM DURATION FOR COMPLETION OF DEGREE**

1. Degree enrollment of the Pharm.D will remain valid for two more years after the expiry of the required duration for the completion of the Pharm.D degree (i.e 5 Year).
2. However a student unable to complete his/her degree requirement within the validity of his/her enrollment, will have to re-validate / extend his/her enrollment for not more than 2 years by paying a prescribed fee with the permission of the Principal.

## **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**

<b>Marks obtained in Percentage Range</b>	<b>GPA</b>	<b>GRADE</b>
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**

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 charged if book is returned late.**
  - Rs. 30/= 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 book 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 and Ahsan trust sponsored by Meezan bank based on merit cum need basis and etc.

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

## **Rules for withdrawal after admission in Pharm.D Program**

A candidate who leaves/withdraws before completion of the five year degree program of Pharm.D course for any reason, he/she will submit a Payorder/Demand Draft of **Rs. 3,00,000 (Three Lac Rupees) for open merit** and **Rs. 5,00,000 (Five Lac Rupees) Self finance seat** that only will be payable to Dow University of Health Sciences as a penalty for wasting a precious seat.

## **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 :



Pharmaceutics Lab



Microbiology Lab



Pharmaceutical Chemistry Lab



Pharmacology 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



# INDUSTRIAL TRIPS OF FINAL YEAR STUDENTS

## BAYER PHARAMCEUTICAL PAKISTAN



## BOSCH PHARMACEUTICALS PVT LTD



**14<sup>th</sup> August  
Celebration**



## FACULTY AT DOW COLLEGE OF PHARMACY



## 1. Department of Pharmacology

<b>S.#</b>	<b>Name</b>	<b>Designation</b>
1	Prof. Dr. Sumbul Shamim	<b>Professor &amp; PRINCIPAL</b> Chairperson, Dept. of Pharmacology
2	Prof. Dr. Noor Jahan	<b>Professor</b> Dept. of Pharmacology
3	Dr. Saima Mahmood	<b>Associate Professor</b> Dept. of Pharmacology
4	Dr. Shumaila Aman	<b>Assistant Professor</b> Dept. of Pharmacology
5	Dr. Hina Abrar	<b>Assistant Professor</b> Dept. of Pharmacology
6	Dr. Faheema Siddiqui	<b>Assistant Professor</b> Dept of Pharmacology
7	Dr. Auwais Ahmed khan	<b>Assistant Professor</b> Dept. of Pharmacology
8	Dr. Hira Hanif	<b>Assistant Professor</b> Dept. of Pharmacology
9	Dr. Hina Tabassum	<b>Instructor</b> Dept. of Pharmacology
10	Dr. Noor ul Ain Kamran	Research Assistant Dept. of Pharmacology
11	Dr. Aqsa Mushtaq	<b>IPFP Fellow</b> Dept. of Pharmacology

## 2. Department of Pharmaceutics

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

### **3. Department of Pharmaceutical Chemistry**

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



#### **4. Department of Pharmacognosy**

<b>S.#</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Farah Saeed	<b>Associate Professor Incharge</b> , Dept. of Pharmacognosy
2	Ms. Umbreen Farrukh	<b>Assistant Professor</b> Dept of Pharmacognosy
3	Dr. Tehseen Quds	<b>Assistant Professor</b> Dept. of Pharmacognosy
4	Dr. Hina Zahid	<b>Assistant Professor</b> Dept. of Pharmacognosy
5	Dr. Hina Yasin	<b>Assistant Professor</b> Dept. of Pharmacognosy
6	Dr. Madiha Khan	<b>Lecturer</b> Dept. of Pharmacognosy
7	Dr. Erum Shah.	<b>Lecturer</b> Dept. of Pharmacognosy

## **5. Department of Pharmacy Practice**

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

### **STRENGTH OF FACULTY**

- No. of Ph.D. Faculty Members = 33
- No. of M.Phil. Faculty Members = 13
- No. of Pharm.D Faculty Members = 02
- Total number of teachers in Faculty =48

