



DOW UNIVERSITY OF HEALTH SCIENCES

PROSPECTUS

DOW COLLEGE OF PHARMACY

ADMISSIONS *in*

Pharm.D

SESSION 2018-19



Email: admissions@duhs.edu.pk

Website: www.duhs.edu.pk



Dow University of Health Sciences



PROF. MOHAMMED SAEED QURAI SHY

Vice Chancellor

Dow University of Health Sciences

MESSAGE BY VICE CHANCELLOR

It gives me immense pleasure to write this message for the prospectus of the Pharm-D Session 2017-2018. Dow University of Health Sciences was established in 2004, with the Vision to provide quality education in order to produce leaders in the delivery of healthcare, health education and healthcare delivery, by imparting knowledge through excellence in research and education. Its ultimate aim is to develop strategies to cater to cost effective and quality community health services.

Taking charge of a University is a unique opportunity. There is a greater responsibility of assuring quality education and service delivery at all levels of the institution. This is only possible with the help of a dedicated team of directors, faculty members, and the supporting staff of the constituent departments and institutes. By the Grace of God, Dow University of Health Sciences has emerged as the fastest growing institution offering quality medical education in all of South Asia. It is the result of the dedicated team efforts that Dow University is ranked ahead of many regional medical institutions.

Dow University of Health Sciences has also made an impact on national and international levels, especially through its graduates who have gone on to achieve progress and prosperity globally. The alumni of this University have proven to be successful, resourceful, and philanthropic individuals who have contributed their time, efforts and resources to make a significant impact on their society.

We aim to create an environment that fosters physical, emotional, and psychological wellness, and look to advance healthy lifestyles. By constantly measuring our deliverables, we have succeeded in creating an infrastructure of state of the art equipment and technology that meets the need of the future, and provides superior healthcare delivery systems today.

I am optimistic that the doctors and health professionals of this institution will go on to contribute to this nation and serve the people of this country with sincerity and authenticity, in order to restore faith and humanity to the delivery of healthcare.



Dow College of Pharmacy (DCOP)



Prof. Sumbul Shamim

B.Pharm., RPh., M.Phil., M.P.P.S. Ph.D., (Pharmacology)
Dean, Faculty of Pharmaceutical Sciences
Principal Dow College of Pharmacy
Dow University of Health Sciences, Karachi.

MESSAGE BY DEAN

I am delighted to welcome the new batch of Pharm.D at Dow College of Pharmacy. Dow College of Pharmacy is a very special place with our inclusive ethos and commitment to the highest standards in education which have made this institute into Pakistan's premier institute giving pharmacy education. very high academic standards. Students come here and want to

do their best. They work incredibly hard to achieve not only their hopes and dreams, but also the hopes and dreams of their families. Together, the culture we create is one of success. Our examination results are remarkable leading to a prominent place of our alumni in market and practice fields.

The Faculty of pharmaceutical Sciences, at Dow College of Pharmacy, Dow University of Health Sciences was established in the year 2007 with a vision to be recognized as an excellent institute of pharmacy for its outstanding efforts. To provide quality health education combined with training, at Hospitals and Pharmaceutical Industries of Karachi, the curriculum is taught in a synchronized manner with the field application. By providing excellent pharmaceutical education in a stimulating academic environment and through 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 through the process of continuous quality improvement and up gradation of knowledge.

Each year we look forward with great anticipation to the contributions the new batch will make to University's Curricular, Co- Curricular and Extra-Curricular activities in their University life. We are aware that there is long way to go to realize our efforts to the profession. However, I am confident that with the team of committed teachers, supporting staff and strong support of management, we will deliver the time tested human resources for the industry, health care system and society.

My heartiest prays are for the success of every student studying at Faculty of Pharmaceutical Sciences, Dow College of Pharmacy, Dow University of Health Sciences, Karachi.



Dow University of Health Sciences

INTRODUCTION

Dow University of Health Sciences endeavor to bring into existence an academy that is capable of catering the entire aspects of health profession. Pharmacy is an integral part of Health care system. Pharmacy professionals ensure safe and effective use of drugs throughout the society whether in hospitals, clinics or community. Pharmacy aims to enhance public awareness for the appropriate use of medicinal substances and discourage misuse. Similarly Pharmacists also play vital roles in pharmaceutical industry to look after production, research and development, quality control, quality assurance, planning, warehouses, regulatory affairs, sales and marketing and many other capacities thereby leading to an improved overall performance and quality.

RECOGNIZED BY PHARMACY COUNCIL OF PAKISTAN AND HEC

Dow College of Pharmacy was established in 2007. Dow College of Pharmacy was upgraded as 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 recognized by Higher Education Commission.

Under the Leadership of Dean, Prof. Dr. Sumbul Shamim, Dow College of Pharmacy provides highly competent education to its students by utilizing rich resources provided by the university. Institute is equipped with high facilities for its Students, Researchers and Faculty. 40 highly qualified faculty members, 20 out of which hold Ph. D degree in relevant field, and out of these 8 are HEC approved research supervisors. College of Pharmacy is currently offering not only Pharm. D degree, but also M. Phil. and Ph. D. degree programs.

To date, five batches of Pharm. D program have graduated from this institute. Almost 500 passed out Pharmacy graduates from DCOP are offering professional services in various national and multinational organizations, both within and outside Pakistan.

PRACTICE INTEGRATED CURRICULUM

Pharm. D curriculum is designed to produce scientifically and technically competent pharmacists who can apply their training and education in such a manner so as to provide



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quality healthcare services to the patients. The Theory classes and the Laboratory work are integrated one and the hands-on training is enhanced by internships allowed after second year in Pharmaceutical industries and in Hospitals.

CLINICAL WARD ROUNDS

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. Students are also offered different training programs like Basic Lifesaving Skills (BLS).

MORNING AND EVENING PHARM.D PROGRAMS

Currently, 488 students are enrolled in morning shift of Pharm.D program in five batches while additional 111 students are enrolled in three batches of the recently introduced Pharm.D evening program. To date, five batches of Pharm. D program have graduated from this institute. Pharmacy graduates from DCOP are offering professional services in various national and multinational organizations, both within and outside Pakistan.

POSTGRADUATE RESEARCH PROGRAM

A postgraduate research program offering M. Phil. and Ph. D degrees was introduced in 2013. Currently 15 scholars are enrolled under this program. Two dedicated research lab equipped with sophisticated research instruments has been established at the department to facilitate and promote research related activities.

DISCIPLINES OF STUDY

Faculty of Pharmaceutical Sciences, Dow College of Pharmacy provides high competence pharmacy education to its students by utilizing rich resources provided by the university. The curriculum for the Faculty of Pharmaceutical Sciences, Dow College of Pharmacy is framed by Pharmacy Council of Pakistan. The curriculum is designed to produce a scientifically and technically competent pharmacist who can apply this education in such a manner so as to provide maximum health care services to patients. Students are provided with the opportunity



to gain greater experience in patient's close and cooperative relationships with health practitioners.

Dow College of Pharmacy has multimedia enabled spacious lecture halls, fully equipped laboratories including laboratory 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.

Academic activity at Faculty of Pharmaceutical Sciences, Dow College of Pharmacy is 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, contra-indications and 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



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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 cosmeceuticals, 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. Pharmacy Practice has major emphasis on the practice of Pharmacy in the community, hospital and clinical setups. 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).



EXTRA CURRICULAR ACTIVITIES:

Apart from academics, Faculty of Pharmaceutical Sciences, Dow College of Pharmacy encourages extra-curricular activities. The students actively participate in such activities including sports, poster competition, research, etc.

PROGRAMS OFFERED BY FACULTY OF PHARMACEUTICAL SCIENCES, DOW COLLEGE OF PHARMACY

- 1- Undergraduate: Pharm.D (five years program)
- 2- Post Graduate: M.Phil and Ph.D. programs in the mentioned five departments of Faculty of Pharmaceutical Sciences, Dow College of Pharmacy.

CURRICULUM DESIGNING AND COURSE CATALOGUE

The curriculum for the Faculty of Pharmaceutical Sciences, Dow College of Pharmacy is framed by Pharmacy Council of Pakistan. If the need arises to make any change in the curricula it will be done by the Board of Studies of Pharmacy and their approval will be taken from the Academic Council and the Pharmacy Council of Pakistan will be informed for such changes. These changes are then finalized in HEC meetings.

PROGRAM OBJECTIVES

The management of Faculty of Pharmaceutical Sciences, Dow College of Pharmacy has established Quality objectives. The Quality objectives are measurable and consistent with the Quality policy, intutional objectives and learning outcomes and commitment to continual improvement and meeting requirements for educational / services.



Dow College of Pharmacy (DCOP)

ABOUT PHARMACIST

Pharmacists are the principal resource to patients and other health professionals in assuring appropriate use of drugs and optimal therapeutic outcomes from medications.

Pharmacists provide what has come to be known as pharmaceutical care. The principal goal of pharmaceutical care is to achieve positive outcomes from the use of medication that improves patients' quality of life. These outcomes include: 1) cure of a disease; 2) elimination or reduction of symptoms; 3) arresting or slowing a disease process; 4) prevention of disease; 5) diagnosis of disease; and 6) desired alterations in physiological processes, all with minimum risk to patients. Pharmacists are professionals, with unique characteristics who are always available for public service with great commitment.

Pharmacists are a vital part of a complete health care system. The number of people requiring health care services has steadily increased, and this trend will likely continue due to:

- Increases in average life span and the increased incidence of chronic diseases.
- The increased complexity, number, and sophistication of medications and related products and devices.
- Increased emphasis on primary and preventive health services, home health care, and long term care
- Concerns about improving patients' access to health care, controlling its cost, and assuring it's quality.

Pharmacists can talk to people when they are healthy and when they are sick, when they are "just browsing," or when they are concerned with an emergency; when they have specific needs as well as when they are seeking advice or information. Pharmacists can practice in a number of other health care settings as well, including hospitals, clinics, nursing homes, health maintenance organizations, and others.



Pharmacists can serve patients and the community by providing information and advice on health, providing medications and associated services, and by referring patients to other sources of help and care, such as physicians, when necessary. Likewise, advances in the use of computers in pharmacy practice now allow pharmacists to spend more time educating patients while maintaining and monitoring patient records. Therefore, now patients depend on pharmacist for updated health care information.

Pharmacists are specialists in the science and clinical use of medications in addition to the variety of tasks performed in and out of the community pharmacy. They have awareness & knowledge about the composition of drugs, their chemical and physical properties, their manufacture and uses, besides the tests for purity and strength. Pharmacist also understands the activity of drugs and their work within the body. Prescribers rely more on pharmacists for information about various drugs including, their availability and their activity.

Pharmacists are medication experts—they do much more than count tablets and pour liquids. For each prescription dispensed, pharmacist checks if the information provided by the prescriber is complete. The new medication interacts with other medications or not the dosage is appropriate, and the patient understands the proper way to store and take the medication.



Dow College of Pharmacy (DCOP)

OUR VISION

To develop Dow College of Pharmacy into a leading professional institute recognized by its Quality Pharmacy Education, high profile innovative research and service to society and profession.



OUR MISSION

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 formulating pharmaceutical products



OBJECTIVES OF PHARM. D PROGRAM

After the end of Pharm-D Program the student will be able to:

- To produce highly skilled and trained Pharmacist by educating and training them on scientific basis to adapt their career as health care professionals & to exhibit professional & ethical responsibility.
- To enhance the standard of Pharmacy education in the Country.
- To develop students' abilities in critical thinking, problem solving & team work.
- To prepare students to be proficient in applying information technology in their field.
- To prepare students to communicate effectively both orally and written.
- To produce doctorate of pharmacy who can participate in research and development in the Field of Pharmaceutical sciences
- To develop leadership qualities & sense of team work
- To serve society as caring Professional & enlightened citizen.
- To train the students in the field of business and marketing of the drug and legal requirement of pharmacy with respect to procurement, storage and sale of the drugs



OUT COMES OF PHARM.D PROGRAM

- Educate patients to get the best outcomes from the medicine therapies to achieve a healthier society.
- Doctorate of pharmacy will use computers and software effectively to solve problems in the domain of Pharmacy Health care.
- Function effectively as a member of multi-disciplinary health care team.
- Use effective communication strategies in the exchange of knowledge with health care Professionals & patients.
- Conduct their activities in a professional & ethical manner.
- Pursue life long- learning & professional growth.
- Practice Pharmacy in govt. & private hospitals, community pharmacies and pharmaceutical companies.
- Promote rational use of drug along with compounding of drugs and focused on safe & accurate dispensing procedures.
- Meet the health care challenges of futures.



Dow College of Pharmacy (DCOP)

Faculty of Dow College of Pharmacy (DCOP)

Prof. Dr. Sumbul Shamim
Principal, Dow College of Pharmacy
Dean, Faculty of Pharmaceutical Sciences
Dow University of Health Sciences

DEPARTMENT OF PHARMACOLOGY (DCOP)

Professor-----Dr. Sumbul Shamim
Professor-----Dr. Noor Jahan (Chairperson)
Associate Professor-----Dr. Saima Mahmood
Assistant Professor-----Dr. Shumaila Aman
Assistant Professor-----Dr. Hina Abrar
Assistant Professor-----Dr. Faheema Siddiqui
Assistant Professor-----Dr. Auwais Ahmed Khan
Assistant Professor-----Bushra Riaz
Instructor-----Dr. Hina Tabassum
Research Assistant-----Noor ul Ain Kamran

DEPARTMENT OF PHARMACEUTICS (DCOP)

Associate Professor-----Dr. Hafiz M. Arshad (Vice-Principal)
Associate Professor-----Dr. Tariq Ali (Chairperson)
Associate Professor-----Dr. Anab Fatima
Associate Professor-----Dr. Rabia Bushra
Associate Professor-----Dr. Mahwish Rizvi
Assistant Professor-----Ms. Riffat Yasmin
Assistant Professor-----Dr. Shumaila Shafique
Assistant Professor-----Ms. Wajiha Iffat
Assistant Professor-----Ms. Sana Ghayas
Assistant Professor-----Dr. Syed Ahsan Ali
Assistant Professor-----Dr. Hina Saleem
Assistant Professor-----Dr. Omer Mustapha
Assistant Professor-----Syed Saoud Zaid
Assistant Professor-----Dr. Rahila Bano
Lecturer-----Dr. Saba Inayat Ali

DEPARTMENT OF PHARMACOLOGY (DCOP)

Associate Professor-----Dr. Farah Saeed (Chairperson)
Assistant Professor-----Umbreen Farrukh
Assistant Professor-----Tehseen Quds
Assistant Professor-----Dr. Hina Zahid
Assistant Professor-----Dr. Hina Yasin
Lecturer-----Dr. Madiha Khan
Lecturer-----Dr. Erum Shah



DEPARTMENT OF PHARMACEUTICAL CHEMISTRY (DCOP)

Associate Professor -Dr. Moona Mehboob Khan (Chairperson)
Assistant Professor--Dr. Mahwish Akhtar
Assistant Professor--Dr. Sana Shamim
Assistant Professor--Dr. Wajiha Gul
Assistant Professor--Dr. Sabahat Naeem
Assistant Professor--Dr. Rabya Munawar
Lecturer-----Dr. Faisal Muhammad Khan
Lecturer-----Dr. Sadia Iqbal

DEPARTMENT OF PHARMACY PRACTICE (DCOP)

Associate Professor-----Dr. Najia Rahim (Chairperson)
Associate Professor-----Dr. Fakhshena Anjum
Assistant Professor-----Sadia Shakeel
Assistant Professor-----Mr. Imran Ahsan Mallick
Assistant Professor-----Dr. Kashif Ali
Assistant Professor-----Dr. Ale Zehra
Lecturer-----Dr. Farah Khalid

VISITING FACULTY AND INTERFACULTY

Dr. Mehtab Alam
Ms. Saima Siddiq
Syed Nabeel Akhtar
Ms. Shumaila Farman
Ms. Shabana
Mr. Naseem
Mr. Saqib



INHOUSE FACILITIES & ACTIVITIES





Dow College of Pharmacy (DCOP)

STRENGTH OF FACULTY

- Accreditation with Pharmacy Council of Pakistan.
- No. of Ph.D. Teachers = 27
- No. of M.Phil Teachers = 15
- No. of Pharm.D teachers = 05
- Total number of teachers in Faculty = 47
- Teachers evaluation through Quality Enhancement Cell (QEC)
- Students assessment and evaluation through examination department and QEC
- Students Mentors for each year students
- Code of Conduct for students
- Facilities for Students:
 - 5 Lecture Halls with Audio-visual facility
 - Ø Seminar Library with more than 4000 books
 - Ø Digital Library with individual student's working PC stations.

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 (DCOP)

CURRICULUM

1st PROFESSIONAL PHARM-D

<i>SEMESTER-I</i>			<i>SEMESTER-II</i>		
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
	Total Cr. Hr	22		Total Cr. Hr	22

2nd PROFESSIONAL PHARM-D

<i>SEMESTER-III</i>			<i>SEMESTER-IV</i>		
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
	Total Cr. Hr	20		Total Cr. Hr	21



CURRICULUM

3rd PROFESSIONAL PHARM-D

<i>SEMESTER-V</i>			<i>SEMESTER-VI</i>		
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	Advance 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			
Total Cr. Hr		19	Total Cr. Hr		19

4th PROFESSIONAL PHARM-D

<i>SEMESTER-VII</i>			<i>SEMESTER-VIII</i>		
Course No.	Subject	Cr Hr	Course No.	Subject	Cr Hr
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
Total Cr. Hr		20	Total Cr. Hr		19



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CURRICULUM

5th PROFESSIONAL PHARM-D

<i>SEMESTER-IX</i>			<i>SEMESTER-X</i>		
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
Total Cr. Hr		19	Total Cr. Hr		19

	<i>1st Semesters</i>	<i>2nd Semesters</i>	Total
	CR. Hrs.	CR. Hrs.	CR. Hrs.
1 st Professional	22	22	44
2 nd Professional	20	21	41
3 rd Professional	19	19	38
4 th Professional	20	19	39
5 th Professional	19	19	38
TOTAL	100	100	200



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 with minimum CGPR 2.45.

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, Dean'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 attend 90% 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 Dean / 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.



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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. 30 Marks for VIVA VOCE
- iii. 30 Marks for Lab Performance.

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 Dean / Principal.



GRADING SYSTEM

a. 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.

b. 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).

c. 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+
63-68	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



Dow College of Pharmacy (DCOP)

SCHEDULE FOR ADMISSION TO PHARM D PROGRAM SESSION 2018 DOW COLLEGE OF PHARMACY

CATEGORIES OF SEATS

A. Open Merit

B. UEDP Local (University Education Development Program)

A. OPEN MERIT

- **60 (Sixty)** seats have been reserved for Open Merit candidates with Karachi domicile who have studied Matric / O Level AND Inter / A Level in Karachi.
- Candidates selected for admission against these seats will have to deposited pay order of Rs. 189165/- (Rs. One Lac Eighty nine thousand three hundred sixty five only) in favour of “Dow University of Health Sciences” as non refundable admission fee and fee for first two semesters, on the scheduled date specified for verification of original documents and final allocation of seat on merit cum choice basis.
- In the next subsequent years, the tuition fee, examination fee and transport fee (if availed) will be charged in 3rd, 5th, 7th and 9th semesters which is mandatory to get the admit card of examination.

B. UEDP - Local, (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.
- Candidates selected for admission in this category will have to deposit pay order of **Rs.3,36,683/- (Three Lac thirty six thousand six hundred eighty three only)** in favour of “Dow University of Health Sciences” as non refundable fee for first two semesters, on the Scheduled date specified for verification of original documents and final allocation of seat on merit cum choice basis.
- In the next subsequent years, the tuition fee, examination fee and transport fee (if availed) will be charged in 3rd, 5th, 7th and 9th semesters which is mandatory to get the admit card of examination.



NOTE:

- Application forms for admissions in 1st year Doctor of Pharmacy (Pharm.D) shall be invited from those candidates who will appear in **ENTRY TEST (NTS) in MBBS/BDS (Session 2017-18)**
- **Admissions will be offered on MERIT CUM CHOICE BASIS IN both CATEGORIES.**

ELIGIBILITY CRITERIA

- Matric / O Level / equivalent examination certificate from Karachi..
- Intermediate Science / 'A' Level / equivalent examination from Karachi.
- Minimum marks of **60%** aggregate in intermediate Science (Pre-medical) / 'A' Level / equivalent examination.
- Candidate's domicile certificate of district Karachi.
- Candidate's permanent residence certificate (PRC, on Form-C) of district Karachi.
- Candidate's CNIC (Computerized National Identity Card) or B form (if he/she is under 18 year of age).
- Candidate's father domicile of Sindh province on form P-1.
- Father's National identity card of NADRA with permanent address of Sindh.
- NTS Entrance test is mandatory.

DOCUMENTS TO BE SUBMITTED

One set of attested photocopies of following documents must be attached in a file along with the original application form.

- 1) **Application from.**
- 2) Matric Certificate / 'O' Level Equivalent examination certificate from Karachi.
- 3) **Mark sheet** of Matric /transcript 'O' Level / Equivalent Examination.
- 4) O Level equivalence certificate (if applicable).
- 5) **Mark sheets** of Inter-science Pre-Medical/ A Level.
- 6) Provisional certificate from School (sample certificate is attached).
- 7) Provisional certificate from college. (sample certificate is attached).
- 8) **Pay order of Rs.1500** (fifteen hundred) as processing fee.
- 9) **Candidate's Domicile** Certificate of district Karachi.
- 10) **Candidate's Permanent Resident** Certificate (PRC, on form – C) district Karachi.
- 11) Candidate's NADRA National Identity Card (CNIC) or 'B' form, (if he/she is below the age of eighteen years).
- 12) **Father's Domicile** of Sindh Province on form P-1.
- 13) **CNIC of father**, issued from NADRA with Permanent address of Sindh.
- 14) **Six recent passport size photographs** with the name, 3 attested from front & 3 attested, from back.
- 15) Two self addressed envelopes.



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NOTE:

- **One set of Documents to be Attached in a file.**
- **Original application form, Photographs, Payorder and NIC Copies should be place in an envelope and attached or stapled (No loose documents).**
- **Do not use fancy plastic files with clips, ONLY USE NORMAL OFFICE FILES, Punched documents to be attached, small ones stapled.**
- **Read the important ‘instructions sheet’ given to you with the application form, before submitting documents.**
Do NOT submit the instruction sheet with your documents.

IMPORTANT

- Any candidate found using Domicile / PRC of more than one district / place in Pakistan will be disqualified for admission at any college of Dow University or in any other medical institution of Sindh Province and the case will be referred to the concerned authorities for investigations.
- The domicile certificate of mother (Sindh Province) shall only be accepted in case where father has expired and no domicile certificate was issued to him or there has been remarriage / separation, for which a valid document will be needed.

MERIT LIST FORMULA FOR CATEGORIES REQUIRING ENTRANCE TEST

-Weightage of marks

- **Matric / ‘O’ Level / Equivalent Examination10 %**
- **Intermediate/‘A’ Level/Equivalent Examination40 %**
- **NTS Entrance Test.....50 %**

- **Deduction of TEN MARKS** will be done from total of theory marks of science subjects for every extra year after interscience passing year, availed or unavailed for improvement of marks.
- **BSc** students will not be given any extra benefit. They will have deduction of 20 marks from total of theory marks of science subjects.
- **Forty Percent of the TOTAL THEORY MARKS obtained in Biology, Physics and Chemistry, by the inter science students, will be Considered for weightage of final merit calculation.**
- **Similarly for ‘A’ Level / Equivalent exam candidates, forty percent of the TOTAL**



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THEORY MARKS obtained in **Biology, Physics and Chemistry** will be considered for **final merit calculation.**

- **Total theory marks of A Level will be calculated after subtracting five marks from the percentile of each science subject.**

NOTE:

- **For merit calculation IBCC equivalence certificate of ‘A level / equivalent candidates’ will not be accepted as it also includes subjects other than Biology, Chemistry and Physics.**
- In case the overall score of two or more candidates are equal the candidate securing higher marks in the Intermediate/ ‘A Level’ examination will be ranked higher in the merit for the purpose of admission.
- If the Intermediate/ ‘A Level’ marks are also equal, the candidate having higher marks in the matric/ ‘O Level’ exam will be ranked higher in the merit for the purpose of admission.
- If the matric/ ‘O Level’ marks of two or more candidates are also equal then the candidate older in age will be ranked higher in the merit for the purpose of admission.

MERIT LIST

- The selection board will make the INITIAL MERIT LIST, which will be displayed as per schedule on the website of the Dow University of Health Sciences.
- Applicants will be given two days to claim for their merit mentioned in the initial merit list.

FINAL ADMISSION

- **ALL THE CANDIDATES AND THEIR PARENTS WILL BE CALLED FOR VERIFICATION OF ORIGINAL DOCUMENTS (which will have to be deposited in case of selection) AND FINAL ALLOCATION OF CATEGORY (as mentioned in the prospectus) on merit cum choice basis. AFTER DEPOSITION OF PAY ORDER, OF THE RESPECTIVE CATEGORY.**
- **THE ADMISSION LETTERS WILL BE PRINTED BY PAKISTAN SECURITY PRINTING CORPORATION (PSPC). IT WILL BE A WATER MARKED PAPER WITH OTHER SPECIALIZED FEATURES. ANY OTHER ADMISSION LETTER WILL BE CONSIDERED FAKE.**
- No candidate should pay any amount of cash to anybody, anywhere (inside or outside DUHS), neither fees challan be submitted in any bank for ADMISSION in any college of DUHS. The admissions will only be given after final verification of documents and submission of the required pay order / Bank draft in favor of DUHS, at the time of selection to the selection committee.
- The potential candidates according to the final merit list will have to bring the pay orders of



Dow University of Health Sciences

the respective category, as mentioned in the prospectus, along with the original documents for final allotment of seat on merit cum choice basis, on the specific day as per schedule. In case the candidate is not selected, the pay order will be stamped for cancellation.

- If at any stage of Pharmacy course, it is proved that the candidate has been admitted on the basis of false/incorrect documents or information against the rules of admission, his/her admission will be cancelled immediately by the University, after giving him/her an opportunity through a show cause notice and receiving a reply within 7 (seven) days. The entire fee paid by him/her will be forfeited and the University will have the right to take any legal action against the candidate as per law of the country.
- For any case of fraud or tampered document legal action will be taken. It will be notified to all medical institutions of the country. He / She will be debarred from getting admission in any institution and will be imposed a Fine of Rs. Fifty thousand (50,000) after a show cause notice of seven days.

CLOSING DATE OF ADMISSION:-

- Admission to all categories will be closed after thirty (30) days of the start of the academic session and no admission will be allowed after thirty (30) days in any category including the reserved seats.
- First day of the class after admission in first year of Pharmacy course will be taken as the first day of the corresponding academic year, irrespective of the fact as to when the candidate was selected for admission by the institution.
- Admission letters and students identity cards will be issued after the confirmation of original documents. The genuine admission letters will have special features. Any letter without that will be considered fake.
- The selected candidate should be enrolled with the university by paying enrolment fee.

VACANT SEATS

- The seats, which remain vacant at the time of selection will be filled by admitting the next candidate under the same category on merit.
- **In case a seat falls vacant during first fifteen days of the academic year of admission, it will also be filled by admitting the next candidate on merit, under the same category.**
- **Any seat falling vacant after the first thirty days of admission will stand forfeited and no candidate will be admitted on this seat.**



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GENERAL MEDICAL BOARD

- The selected candidates shall have to undergo a medical examination through Medical Board set up by the University.
- The Medical Board will carry out the necessary history, examination, investigations and opinion from the specialists.

The provisions made in this prospectus are liable to be modified, relaxed or amended by the university authorities from time to time and such changes will be applicable to all concerned.

ON LINE APPLICATION

Students wish to apply through internet may fill the online application form, which is available at **www.duhs.edu.pk/online/** and send all the required documents mentioned above along with the pay order with this printed application form directly to admission cell at DUHS.



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 includes 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.
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 programme, 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.



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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. Any body 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.



Dow College of Pharmacy (DCOP)

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 NAME 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 ATTENDANCE IN THE CLASS OF LESS THAN 90% 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.**



DECLARATION/UNDERTAKING / AFFIDAVIT ON STAMP PAPER

To be produced once provisional admission is offered

I, _____ S/o _____
selected for Pharm D program, DUHS, Karachi.

1. I will abide by rules and regulation of this Institute enforced OR. as amended from time to time.
2. The result of the Evaluation Test will be fully acceptable to me and I will not dispute it in any case.
3. I will not ask for any change of subject at any stage of the course. I will not object to any change in the period of the course.
4. I will not be involved in any sort of political, linguistic and sectarian activities neither I will organize OR become member of any political student party / organization or any student grouping.
5. I will not dispute / challenge the Degree issued by the Dow College of Pharmacy, DUHS, Karachi in the court of law and neither liaison with any Newspaper.
6. I will not object if the security deposite is fore-fitted due to termination from the course on disciplinary grounds OR discontinuation due to personal reasons.
7. Damage to the installations/items can be recovered from the security deposit.
8. In case of expulsion / termination from courses on basis of gross misconduct / violence / terrorism I will not challenge the decision in any court of law in Pakistan.
9. I accept that continuous absence for more than 15 days without prior information may lead to termination from the course by the authorities concerned.
10. I will abide by all the rules and regulations of the course, student conduct and library etc as mentioned in the prospectus.
11. I undertake that if I am found involved in any unlawful activity or providing incorrect information at any stage, the institute shall have the right to cancel any admission without assigning any reason.

Signature of Father/Guardian _____ Signature of Student _____

N.I.C. No. _____ Student of _____

Witness _____ Session _____

N.I.C. No. _____ Date: _____



RULES FOR THE PAYMENT OF FEE:

1. Fee deposited is only refundable as per HEC rules.
2. Payorder of two semester’s tuition fee (of the respective category) will have to be paid within one week after the start of 3rd, 5th, 7th and 9th Semesters.
3. In case the fee is not submitted during the given specified time late payment charges will be charged as follows:
 - First month (after lapse of first week).....2.5 % of tuition fee
 - Second month5.0 % of tuition fee
 - Third month7.5 % of tuition fee
 - Fourth month10.0 % of tuition fee
4. Fee of all categories will increase 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.

5. Govt. Tax is levied on tuition fee of above Rs. 2 lacs and this has to be paid by the student. This year Govt. Tax is being charged from this year as 5%
6. Fee may be revised by the university at any time during the course of the study, due to unavoidable circumstances.

FEE SCALE

OPEN MERIT:	A) Admission Fee	Rs. 33,000/- (Non Refundable)
	B) Tuition Fee	Rs. 128865/- (for 2 semesters) to be paid yearly
	C) RF-ID & Medical Checkup.....	Rs. 2,000/-
	D) Transport Fee (Optional).....	Rs. 15,000/-
	E) Dow endowment.....	Rs. 10,000/-
TOTAL.....		<u>Rs. 189365-</u>
Fee for admission		

UEDP LOCAL:	A) Admission Fee	Rs. 33,000/- (Non Refundable)
	B) Tuition Fee	Rs. 260,150/- (for 2 semesters) to be paid yearly
	C) RF-ID & Medical Checkup Fee.....	Rs. 2,000/-
	D) Transport Fee (Optional).....	Rs. 15,000/-
	E) Dow endowment.....	Rs. 10,000/-
TOTAL.....		<u>Rs. 336,683/-</u>
Fee for admission		
NOTE : 5% Income Tax will be applied on total amount of annual Fee		

For repeaters, fee will be charged according to the University rules and regulations

SEAT DISTRIBUTION FOR Pharmacy COURSE at Dow College of Pharmacy

Open Merit	60
UEDP Local (Morning)	40
UEDP Local (Evening)	50
Total	150



DOW UNIVERSITY OF HEALTH SCIENCES

Baba-e-Urdu Road, Off M.A. Jinnah Road, Karachi.
Tel: 021-32732194 email: admissions@duhs.edu.pk
visit website: www.duhs.edu.pk