



DOW UNIVERSITY OF HEALTH SCIENCES

SCHOOL OF POSTGRADUATE STUDIES

PROGRAM SPECIFICATION – PHD PHARMACEUTICS

Introduction of Institute & Program

Dow College of Pharmacy was established in early 2007 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 in the year 2012. Faculty of Pharmaceutical Sciences, is a distinguished and well-renowned entity working under the portal of Dow University of Health Sciences and recognized by the Pharmacy Council of Pakistan and the Higher Education Commission of Pakistan.

The Department of Pharmaceutics at Dow College of Pharmacy, Dow University of Health Sciences, stands as a leading institution in the field of pharmaceutical sciences in Pakistan. With highly qualified PhD faculty members from esteemed national and international universities, the department fosters a strong culture of academic excellence and research innovation.

The Doctor of Philosophy (PhD.) in Pharmaceutics is the highest level of academic qualification, designed to develop scholars and researchers capable of advancing knowledge in their chosen field. This rigorous program emphasizes original research, critical thinking, and scholarly excellence.

Ph.D. scholars are expected to make substantial contributions to their academic field through pioneering research culminating in a doctoral dissertation that reflects both depth and innovation. The program typically involves a combination of advanced coursework, comprehensive examinations, research methodology training, and the successful defense of a research thesis.

The Ph.D. journey fosters intellectual independence, research competence, and a deep understanding of theoretical and practical aspects of Pharmaceutics. Graduates emerge exceptionally well-prepared for careers in academia, leadership positions in research-driven institutions, and strategic roles across



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	pharmaceutical industries, healthcare and public sectors.
Course Title (As approved by PM&DC/HEC)	Doctor of Philosophy (PhD) in Pharmaceutics
Course Duration	3 – 8 years
Type of Study	Full time
Study System	Semester System
Total Credit Hours	56
Credit Hours Distribution –Semester Wise	26 Credit Hours for 2 Semester of Course work, 30 Credit Hours for Thesis.
Study Hours Distribution	Study Per Semester = 16 weeks Examination = 2 weeks Semester Break = 2 weeks Working Days = 8:30am - 3:00pm (except Friday)
Teaching Hours Distribution	Lecture hours/ Facilitation / Self Directed Studies
Modules Detail with Credit Hours	See Course Scheme
Assessment of Student	Continuous Internal Evaluation =30% Final Examination= 70% (Total= 100%)



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	• Comprehensive Exam (no grading only pass or fail) • Viva examination after thesis submission and evaluation.
Teaching Institution	Department of Pharmaceutics, DCOP
Degree Awarding Institution	Dow University of Health Sciences



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The Standardized Scheme of PhD. Pharmaceutics is given below:

Semester- I			Semester-II		
COURSE NO	SUBJECT	CR HR	COURSE NO	SUBJECT	CR HR
PCE 801	Applied Research Methodology and Statistics in Pharmacy (PSC-I)	3	PCE 802	Microbiological Compliance for Pharmaceuticals (Elective- III)	3
PCE 803	Ethics in Pharmaceutical research (PSC-II)	3	PCE 804	Applied Pharmaceutical Technology	3
PCE 805	Pharmaceutical Biotechnology (Elective-I)	3	PCE 806	Advanced Drug Delivery System	3
PCE 807	Applied Pharmacokinetics (Elective-II)	3	PCE 808	Regulatory Compliance for Pharmaceutical Industry (Elective-IV)	3
PCE 809	Teaching Assignment/ Lab Training	3	PCE 810	Generative AI in Pharmaceutical Research (PSC-III)	3
PCE 811	Fehm-e-Quran-I/ Ethics-I*	1	PCE 812	Fehm-e-Quran-II/ Ethics-II*	1
	Total Cr. Hr	13		Total Cr. Hr	13

* Ethics-I and Ethics-II for non-Muslims

Semester 3-6

Course title	Credit hours
Research work + Thesis	30

Total Credit Hrs. of Course Work (Semester 1+2)	A	13+13
TOTAL CREDIT HOURS (A)		26
Credit Hrs. for Research work & Submission of Thesis	B	30
Grand Total	A+B	26+30=56