



DOW UNIVERSITY OF HEALTH SCIENCES

SCHOOL OF POSTGRADUATE STUDIES

M.PHIL. IN PHARMACOGNOSY

PROGRAM SPECIFICATION - SESSION 2026-27

Introduction of Institute & Program

Dow College of Pharmacy was established in 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.

M.Phil. in Pharmacognosy is a full-time postgraduate research degree program since 2013 that explores deep in the field of Pharmaceutical Sciences with the focus on natural origin sources including plants, animals, marine, micro-organisms, and minerals. This science of research includes study related to procurement of drugs from said sources, effect of these drugs on animals as well as human subjects, drug profiles etc. It covers the clinical aspects of natural medicines. It emphasizes herbal formulation development, quality control and standardization of natural medicines. Other major domains include toxicity studies and natural medicines interaction with conventional medicine and food. It also elaborates the industrial aspects including herbal medicines, cosmeceuticals, nutraceuticals, and exploration of new drugs of natural origin.

This advanced program typically requires students to have a strong foundation in pharmaceutical sciences or related disciplines and involves schematic coursework alongside independent research under the guidance of experienced faculty members. Students enrolled in M.Phil. Pharmacognosy programs are exposed to cutting-edge research methodologies, laboratory techniques, and analytical tools to address challenges in drug development and delivery.

Graduates' of M.Phil. Pharmacognosy program is well-equipped to pursue careers in pharmaceutical research and development, academia, regulatory affairs, pharmaceutical manufacturing, contributing to advancements in healthcare through innovation and scientific



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	<p>discovery.</p> <p>The program comprises of:</p> <p>(A) Course work in two semesters (total 24 credit hours),</p> <p>(B) Synopsis writing and defense according to the rules and regulations drawn by the research department of the university,</p> <p>(C) Original research demanding extensive bench work or clinical work (depending upon the protocol and design selected),</p> <p>Writing and defending thesis (06 credit hours).</p>
Course Title (approved by PCP/HEC)	Master of Philosophy (M.Phil.) in Pharmacognosy
Course Duration	M.Phil. Min 2 Years & Max 4 Years.
Type of Study	Full Time
Study System	Semester System
Total Credit Hours	30 credit hours (24 Hours course work + 6 hours thesis)
Credit Hours Distribution –Semester Wise	Semester 1 = 12 Cr. Hrs. Semester 2 = 12 Cr. Hrs. Thesis = 6 Cr. Hrs.
Study Hours Distribution	<ul style="list-style-type: none"> • 16 weeks teaching, • 2 weeks Preparatory Leaves • 2 weeks Exams conduction
Teaching Hours Distribution	Lecture / Tutorials / Journal club/ Self Directed Studies
Modules Detail with Credit Hours	



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M.Phil. Course Scheme *Department of Pharmacognosy*

Semester- I			Semester-II		
COURSE NO	SUBJECT	CR. HR	COURSE NO	SUBJECT	CR. HR
PCG-701	Biostatistics (Core-I)	02	PCG-702	Natural Product Drug Discovery and Regulatory Affairs of Herbal Medicines (Major-III)	03
PCG-703	Research Methodology (Core-II)	02	PCG-704	Toxicology of Natural Substances (Major-IV)	03
PCG-705	Epidemiology (Core-III)	02	PCG-706 OR PCG-708	Cosmeceuticals and Nutraceuticals (Elective) Advance Clinical Pharmacognosy (Elective)	03
PCG-707	Instrumentation Techniques And Structure Elucidation Of Natural Products (Major-I)	03	PCG-710 OR PCG-712	Good Agriculture Practice of Herbal Medicine (Elective) Pharmacognosy and CAM: Scientific Principles and Therapeutic Applications (Elective)	03
PCG-709	Biosynthesis of Natural Products (Major-II)	03	-----	Journal Club and Teaching Assistance Assignments	NC H
-----	Journal Club and Teaching Assistance Assignments	NC H			
	Total Cr. Hr.	12		Total Cr. Hr.	12

Total Credit Hrs. of Course Work (Semester 1 + 2)	A	12+12=24
Credit for Research work & submission of Thesis	B	06
TOTAL CREDIT HOURS (A + B)		30

Assessment of Student	<ul style="list-style-type: none"> • Internal Evaluation (Assignments, presentations, Quiz/Test) =30 Marks • Terminal Exam= 70 Marks • Viva Examination after thesis submission and evaluation.
Teaching Institution	Faculty of Pharmaceutical Sciences
Degree Awarding Institution	Dow University of Health Sciences