



# **DOW UNIVERSITY OF HEALTH SCIENCES**

**SCHOOL OF POSTGRADUATE STUDIES**

## **M.PHIL IN PHARMACOGNOSY**

### **PROGRAM SPECIFICATION - SESSION-2025-26**

#### **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>
<b>Course Title (approved by PCP/HEC)</b>	Master of Philosophy (M.Phil.) in Pharmacognosy
<b>Course Duration</b>	M.Phil. Min 2 Years & Max 4 Years.
<b>Type of Study</b>	Full Time
<b>Study System</b>	Semester System
<b>Total Credit Hours</b>	30 credit hours (24 Hours course work + 6 hours thesis)
<b>Credit Hours Distribution –Semester Wise</b>	<p>Semester 1 = 12 Cr. Hrs.</p> <p>Semester 2 = 12 Cr. Hrs.</p> <p>Thesis = 6 Cr. Hrs.</p>
<b>Study Hours Distribution</b>	<ul style="list-style-type: none"> <li>• 16 weeks teaching,</li> <li>• 2 weeks Preparatory Leaves</li> <li>• 2 weeks Exams conduction</li> </ul>
<b>Teaching Hours Distribution</b>	Lecture / Tutorials / Journal club/ Self Directed Studies
<b>Modules Detail with Credit Hours</b>	



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Semester- I			Semester-II		
COURS E 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	Cosmeceuticals and Nutraceuticals (Major-IV)	03
PCG-705	Epidemiology (Core-III)	02	PCG-706	Toxicology of Natural Substances (Major-V)	03
PCG-707	Instrumentation Techniques And Structure Elucidation Of Natural Products (Major-I)	03	PCG-708	Good Agriculture Practice of Herbal Medicine (Major-VI)	03
PCG-709	Biosynthesis of Natural Products (Major- II)	03	-----	Journal Club and Teaching Assistance Assignments	NCH
-----	Journal Club and Teaching Assistance Assignments	NCH			
	<b>Total Cr. Hr.</b>	<b>12</b>		<b>Total Cr. Hr.</b>	<b>12</b>
<b>Total Credit Hrs. of Course Work (Semester 1 + 2)</b>		<b>A</b>	<b>12+12=24</b>		
<b>Credit for Research work &amp; submission of Thesis</b>		<b>B</b>	<b>06</b>		
<b>TOTAL CREDIT HOURS (A + B)</b>			<b>30</b>		
<b>Assessment of Student</b>			<ul style="list-style-type: none"> <li>• Internal Evaluation (Assignments, presentations, Quiz/Test) =30 Marks</li> <li>• Terminal Exam= 70 Marks</li> <li>• Viva Examination after thesis submission and evaluation.</li> </ul>		
<b>Teaching Institution</b>			Faculty of Pharmaceutical Sciences		
<b>Degree Awarding Institution</b>			Dow University of Health Sciences		