



DOW UNIVERSITY OF HEALTH SCIENCES

SCHOOL OF POSTGRADUATE STUDIES

PROGRAM SPECIFICATION - SESSION 2026-27

M.PHIL IN PHARMACEUTICAL CHEMISTRY

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| <p>Introduction of Institute & Program</p> | <p>M.Phil. in Pharmaceutical Chemistry is a full-time postgraduate research degree program since 2013 under Dow College of Pharmacy, upgraded as Faculty of Pharmaceutical Sciences in 2012. Faculty of Pharmaceutical Sciences is a distinguished and well-renowned entity working under the umbrella of Dow University of Health Sciences, recognized by the Pharmacy Council and Higher Education Commission of Pakistan.</p> <p>The postgraduate program (M.Phil.) in Pharmaceutical Chemistry is designed to develop skilled researchers capable of addressing contemporary challenges in drug discovery, development, and pharmaceutical innovation.</p> <p>The primary objective of these programs is to cultivate advanced knowledge, critical thinking, and research competence with particular emphasis on organic synthesis, analytical method development, nanotechnology-based drug delivery systems, and computer-aided drug design (CADD).</p> <p>These areas represent key research trends shaping the future of pharmaceutical research and therapeutic development. Furthermore, the program aims to develop independent researchers and academic leaders capable of conducting interdisciplinary research, publishing in high-impact journals, and contributing to pharmaceutical innovation at national and international levels.</p> |
| <p>Course Title (As approved by PM&DC/HEC)</p> | <p>Master of Philosophy (M.Phil.) in Pharmaceutical Chemistry</p> |
| <p>Course Duration</p> | <p>2 -4 years.</p> |
| <p>Type of Study</p> | <p>Full Time</p> |
| <p>Study System</p> | <p>Semester System</p> |
| <p>Total Credit Hours</p> | <p>Total Credit hours: 30 hours</p> |
| <p>Credit Hours Distribution –Semester Wise</p> | <p>24 Credit Hours for 2 Semester of Course work, 6 Credit Hours for Thesis.</p> |



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| 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% |
| Teaching Institution | Faculty of Pharmaceutical Sciences, Dow College of Pharmacy (DCOP), Ojha Campus |
| Degree Awarding Institution | Dow University of Health Sciences, Karachi. |