



DOW UNIVERSITY OF HEALTH SCIENCES

SCHOOL OF POSTGRADUATE STUDIES

M.PHIL IN BIOCHEMISTRY

PROGRAM SPECIFICATION - SESSION-2025-26

Introduction of Institute & Program	<p>Dow University of Health Sciences (DUHS) offers postgraduate education through the School of Postgraduate Studies (SPGS). Oversight of research and the academic program is carried out by university bodies including the Board of Advanced Studies and Research (BASR), Institutional (ethical) Review Board (IRB), Doctoral Admission Committee, and other similar entities. Currently, over 180 M.Phil and PhD students have graduated from DUHS and are holding key positions at esteemed national and international institutions.</p> <p>M.Phil. program in Biochemistry prepares students to acquire a deep and broad knowledge of the principles, methods, and applications of biochemistry and molecular biology. During this program students apply their knowledge to understand the underlying mechanisms of disease, maintain health, and identify potential therapies.</p> <p>In addition to knowledge, MPhil. program in Biochemistry helps students to develop skills like communication, innovation, critical thinking, research, leadership, collaboration, life-long learning and makes students ethically, socially & professionally responsible.</p> <p>This program provides opportunities to excel in a diverse range of research areas through active collaboration on interdisciplinary projects. Some of the research areas our faculty is currently pursuing are computational biology, bioinformatics, cancer biology, dental sciences, endocrine disorders, infertility, metabolic disorders, and neurosciences.</p>
Course Title (As approved by PMDC /HEC)	M.Phil in Biochemistry
Course Duration	2 – 4 Years



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Type of Study	Full time
Study System	Semesters system
Total Credit Hours	30
Credit Hours Distribution –Semester Wise	<u>Credit Hours Distribution</u> Semester I =12 Semester II = 12 Semester III & IV = 06 (THESIS)
Study Hours Distribution	Course title = M.Phil Study per Semester = 16 weeks Examination = 2 weeks Semester Break = 2 weeks Working Hours = 8:30am - 3:00pm (except Friday)
Teaching Hours Distribution	Lecture hours/ Facilitation / Self Directed Studies/ Lab training/ Internship
Modules Detail with Credit Hours	
Assessment of Student	<ul style="list-style-type: none"> • Continuous Internal Assessment (<i>During Semester</i>) • Semester Examination • Thesis Defense Examination
Teaching Institution	School of Postgraduate Studies.
Degree Awarding Institution	Dow University of Health Sciences, Karachi.