



DOW UNIVERSITY OF HEALTH SCIENCES

SCHOOL OF POSTGRADUATE STUDIES

MPHIL IN MICROBIOLOGY

PROGRAM SPECIFICATION - SESSION-2025-26

Introduction of Institute & Program

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.

Among the Postgraduate programs of DUHS, M. Phil program in Microbiology is also being offered, which is an expanding, interdisciplinary field with applications in academia and industry. The program's primary goal is to accelerate the development of novel diagnostic methods and therapies through a collaborative bench-to-bedside approach. The program covers a wide range of research areas in Microbiology, including Microbial Genetics, Bacterial and Viral Pathogenesis, Applied Microbiology and Biotechnology, Antimicrobial Strategies and Resistance Mechanisms. This comprehensive approach is designed to equip researchers with the knowledge and tools to explore the microbial world, addressing challenges in health, industry, and the environment.

The M. Phil program in Microbiology is designed to equip researchers with a profound understanding of the subject, enabling them to explore the molecular underpinnings of diseases and create innovative diagnostics and therapeutics tailored to individual needs.

Course Title (As approved by PM&DC/HEC)

M. Phil – Microbiology

Course Duration

2-4 years



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SCHOOL OF POSTGRADUATE STUDIES

Type of Study	Full time
Study System	Semester system
Total Credit Hours	Total C.H. 30
Credit Hours Distribution –Semester Wise	12 Credit hours each for 2 semesters of coursework 06 credit hours for thesis Total Credit Hours : 30
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/ Lab training
Modules Detail with Credit Hours	Will be provided by SPGS
Assessment of Student	Continuous Internal Assessment = 30 % Final Examination = 70% Total = 100%
Teaching Institution	School of Postgraduate Studies
Degree Awarding Institution	Dow University of Health Sciences, Karachi