



DOW UNIVERSITY OF HEALTH SCIENCES

SCHOOL OF POSTGRADUATE STUDIES

PROGRAM SPECIFICATIONS-SESSION-2023-24

Introduction of Institute & Program	<p>The University offers full-time M.Phil & PhD program in the key areas of Biomedical Sciences through the Institute of Biomedical Sciences and has developed the modular format to allow a greater range of options within the program to meet the requirements of health and medically trained personnel who wish to obtain a M.Phil. Degree.</p> <p>It provides a sound understanding of human health and disease and diagnostic approaches at the molecular level, applying contemporary techniques of modern biomedicine. It provides opportunities to acquire and develop the skills of synthesis, analysis and decision making, required for careers in the field of medical research. Thus, the students are trained as the subject specialist, a researcher, and a resource person, well equipped with the methodologies of modern trends of teaching and research in basic medical sciences. The program involves course work and original research thesis components both to be completed within the max. Duration of the program.</p>
Course Titles	<ul style="list-style-type: none"> • M.Phil in Biochemistry • M.Phil in Biotechnology • M.Phil in Genetics • M.Phil in Pathology • M.Phil in Microbiology • M.Phil in Molecular Pathology • M.Phil in Pharmacology • M.Phil in Physiology
Eligibility /Admission Criteria	<p>Master of Philosophy (in the following disciplines): <i>Biochemistry, Biotechnology, Genetics, Pathology, Microbiology, Molecular Pathology, Pharmacology, Physiology-</i></p> <ul style="list-style-type: none"> • The Candidate must possess Sixteen years of Schooling or 4 years education after HSSC/F.Sc./Grade 12 with a Four years' Bachelors (BS / M.Sc.), in 1st Division, in a relevant discipline of Health & Allied, Biomedical, Chemical and Physical/life Sciences from an HEC recognized university. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • <i>MBBS / BDS from (PMD&C) with one year house job</i> from HEC recognized university.
Course Duration	2 years duration
Type of Study	Full time



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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 1. Study per Semester = 16 weeks 2. Examination = 2 weeks 3. 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	See Appendix - I
Assessment of Student	• Continuous Internal Assessment (<i>During Semester</i>) • Semester Examination • Thesis Defense Examination
Teaching Institution	Institute of Biomedical Sciences, DUHS
Degree Awarding Institution	Dow University of Health Sciences, Karachi
Fee Structure	• Admission fees Rs. 35,000 • Tuition Fee Rs. 101,200 per semester • Thesis defense fee Rs. 25,000 with examination fee



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Appendix - I

Modules with Credit Hours				
Year	Semester	Title of Course	Course Code	Credit Hrs.
1 st	I	Medical Genetics	HBMS 701	2
		Fundamentals of Molecular Biology	HBMS 703	2
		Research Methodology	HBMS 705	2
		Biostatistics in Health and Medicine	HBMS 707	2
		Epidemiology	HBMS 709	2
		Instrumentation Techniques	HBMS 711	2
	II	Major-I	701	3
		Major-II	703	3
		Major III*	702	3
		Major IV*	704	3
		Internship	HBMS 712	NCH
2 nd	III	Internship	HBMS 713	NCH
		Research work	HBMS 799	6
	IV	Research work & Submission of Thesis		
		Internship	HBMS 714	NCH
TOTAL CREDIT HOURS				30

** The major course work in proposed structure should be flexible (02 courses fixed in which subject student admitted and 02 as per student / supervisor choice (other than subject specific courses) related to their research work.*