



# DOW UNIVERSITY OF HEALTH SCIENCES

## SCHOOL OF POSTGRADUATE STUDIES

### **PROGRAM SPECIFICATIONS-SPECIMEN**

### **SESSION-2022-23**

<b>Introduction of Institute &amp; Program</b>	The university offers full-time M.Phil & PhD program in the key areas of Biomedical Sciences through 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 medically trained personnel who wish to enter teaching and research career in medical and allied health sciences. 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.
<b>Course Title</b>	<b>M.Phil in Biochemistry</b> <b>M.Phil in Biotechnology</b> <b>M.Phil in Genetics</b> <b>M.Phil in Pathology*</b> *(Histopathology, Microbiology, Molecular Pathology) <b>M.Phil in Pharmacology</b> <b>M.Phil in Physiology</b>
<b>Course Duration</b>	2 – 4 Years
<b>Type of Study</b>	Full time
<b>Study System</b>	Semesters system
<b>Total Credit Hours</b>	30
<b>Credit Hours Distribution –Semester Wise</b>	<u>Credit Hours Distribution</u> Semester I =12 Semester II = 12 Semester III & IV = 06 (THESIS)
<b>Study Hours Distribution</b>	Course title = M.Phil Study per Semester = 16 weeks Examination = 2 weeks Semester Break = 2 weeks



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	Working Hours = 8:30am - 3:00pm (except Friday)
<b>Teaching Hours Distribution</b>	Lecture hours/ Facilitation / Self Directed Studies/ Lab training/ Internship
<b>Modules Detail with Credit Hours</b>	See Appendix - I
<b>Assessment of Student</b>	<ul style="list-style-type: none"> <li>Continuous Internal Assessment (<i>During Semester</i>)</li> <li>Semester Examination</li> <li>Thesis Defense Examination</li> </ul>
<b>Teaching Institution</b>	Institute of Biomedical Sciences
<b>Degree Awarding Institution</b>	Dow University of Health Sciences, Karachi

### Appendix - I

Modules with Credit Hours				
Year	Semester	Title of Course	Course Code	Credit Hrs.
1 <sup>st</sup>	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 <sup>nd</sup>	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.**