PROGRAM SPECIFICATION - SESSION-2025-26

Introduction of Institute & Program	In accordance with the vision and mission of Dow University of Health Sciences of providing patient-centered education and training, School of Postgraduate Studies is pleased to offer a programme in MPhil Genetics. DUHS has recently established state of an art facility, Dow DOGANA advanced Molecular Genetics and Genomics Diseases Research and Treatment Centre which is equipped with advanced Sequencing instruments including Next generation Sequencing platforms and will be one of the main training centre for the MPhil candidate and his/her thesis research. The training program offers teaching courses covering fundamentals of Medical Genetics and Genetics of Human Diseases with a molecular genetics perspective along with Population based Genetics covering aspects of diseases association with Single Nucleotide Polymorphisms and Mutations. Laboratory based training may include conventional PCR, qPCR, FISH, Sanger Sequencing and Next Generation Sequencing.
Course Title (As approved by PMC/HEC)	**M.Phil- Genetics**
Course Duration	2 – 4 Years
Type of Study	Full time
Study System	Semesters system
Total Credit Hours	30
Credit Hours Distribution –Semester Wise	Credit Hours Distribution 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	See Appendix - I
Assessment of Student	• Continuous Internal Assessment *(During Semester)* • Semester Examination • Thesis Defense Examination
Teaching Institution	School of postgraduate Studies
Degree Awarding Institution	Dow University of Health Sciences, Karachi