



Obaid Noor Institute of Medical Sciences

Course Outline

BS MLT

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1st Semester

Subject-code	Subjct Name	Credit Hours
MLT-0101	Biochemistry-I	4 (3+1)
MLT 00102	Human Physiology	4(3+1)
MLT 00103	Human Anatomy	4(3+1)
MLT 00104	Fundamentals of Clinical Lab	2(1+1)
FIA 00291	Islamic Studies/ Ethics	2(2+0)
FAL 00281	Functional English	3(3+0)
FMS 00192	Life and Academic Skills	2(2+0)

2nd Semester

Subject-code	Subjct Name	Credit Hours
MLT 00201	Biochemistry-II	4(3+1)
MLT 00202	General Pathology	3(2+1)
MLT 00203	General Microbiology	3(2+1)
FAL 00351	Ideology and Constitution of Pakistan	2(2+0)
FAL 00282	Expository writing	3(3+0)
FOC 00301	Applications of Information and Communication Technologies (ICT)	3(2+1)
FSS 00154	Civics and Community Engagement	2(2+0)

3rd Semester

Subject-code	Subjct Name	Credit Hours
MLT 00301	General Pharmacology	2(2+0)
2(2+0)	Clinical Bacteriology	3(2+1)
MLT 00303	Medical Laboratory Instrumentation	2(1+1)
MLT 00304	Basic Hematology	3(2+1)
FPM 00321	Quantitative Reasoning I	3(3+0)
FPM 00081	Geography	3(2+1)
FIA 00293	Arabic (as language)	2(2+0)

4th Semester

Subject-code	Subjct Name	Credit Hours
MLT 00401	Advance Hematology	3(2+1)
MLT 00402	Chemical Pathology	3(2+1)
MLT 00403	Systemic Diagnostic Bacteriology	3(2+1)
MLT 00404	Biotechnology	3(2+1)
FPM 00322	Quantitative Reasoning II	3(3+0)
FMS 00193	Entrepreneurship (Education)	2(2+0)
FIA 00292	Arabic for Understanding the Quran	---

5th Semester

Subject-code	Subjct Name	Credit Hours
MLT 00501	Histopathology & Histotechnology	3(2+1)
MLT 00502	Clinical Immunology	3(3+0)
MLT 00503	Bioinformatics	3(2+1)
MLT 00504	Medical Virology	3(2+1)
MLT 00505	Clinical Lab Practice-I	3(1+2)

MLT 00506	Biosafety and Biosecurity: Principles and Practices	2(2+0)
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6th Semester

Subject-code	Subject Name	Credit Hours
MLT 00601	Medical Parasitology	3(2+1)
MLT 00602	Molecular Biology	3(2+1)
MLT 00603	Blood Banking and Transfusion	3(2+1)
MLT 00604	Medical Mycology	3(2+1)
MLT 00605	Serology	3(2+1)
MLT 00606	Epidemiology	2(2+0)

7th Semester

Subject-code	Subject Name	Credit Hours
MLT 00701	Advanced Diagnostics and Biomedical Techniques	3(2+1)
MLT 00702	Forensic Medicine	2(2+0)
MLT 00703	Cytology and Cytogenetics	3(2+1)
MLT 00704	Clinical Pathology	3(2+1)
MLT 00705	Research Methodology	3(3+0)
MLT 00706	Clinical Lab Practice-II	3(1+2)

8th Semester

Subject-code	Subject Name	Credit Hours
MLT 00802	Clinical Lab Management and Quality Control	3(3+0)
MLT 00803	Clinical Endocrinology	3(3+0)
MLT 00804	Research Project	6(6+0)
MLT 00805	Elective Course	3(3+0)