



In the name of God

Ilam University of Medical Sciences (Faculty of Medicine)

Department of Microbiology

Course Arrangement for Master's Students in Microbiology according to 2019 Curriculum Guide

First Semester Unit List for Medical Microbiology Master's Students				
Row	Course	Theoretical Units	Practical Units	Total Units
1	Structure and Physiology of Microorganisms (Professional Core Course)	2	-	2
2	The Relationship between Microorganisms and the Host (Professional Core Course)	1	-	1
3	Medical Mycology (Professional Core Course)	0.5	0.5	1
4	Genetics of Microorganisms (Professional Core Course)	1	-	1
5	Medical Parasitology (Professional Core Course)	0.5	0.5	1
6	Safety and Quality Control in the Laboratory (Supplementary Course)	1	1	2
	Total	6	2	8

Second Semester Unit List for Medical Microbiology Master's Students

Row	Course	Theoretical Units	Practical Units	Total Units
1	Medical Virology (Professional Core Course)	1.5	0.5	2
2	Diagnostic Bacteriology 1 (Professional Core Course)	-	1	1
3	Immunology of Infectious Diseases (Professional Optional Course)	1.5	0.5	2
4	Molecular Cell Biology of Eukaryotes and Prokaryotes (Professional Optional Course)	2	-	2
5	Antibiotics and Antimicrobial Agents (Professional Core Course)	1.5	0.5	2
6	Clinical Bacteriology 1 (Professional Core Course)	2	-	2
	Total	8.5	2.5	11

Third Semester Unit List for Medical Microbiology Master's Students

Row	Course	Theoretical Units	Practical Units	Total Units
1	Clinical Bacteriology 2 (Professional Core Course)	2	-	2
2	Introductory Bioinformatics (Professional Optional Course)	1	1	2
3	Diagnostic Bacteriology 2 (Professional Core Course)	-	1	1
4	Research Method in Medical Sciences (Supplementary Course)	2	-	2
5	Molecular Diagnostic Bacteriology (Professional Core Course)	-	2	2
6	Hematology (Professional Optional Course)	1	1	2
	Total	6	5	11

Fourth Semester Unit List for Medical Microbiology Master's Students

Row	Course	Theoretical Units	Practical Units	Total Units
1	Seminar (Professional Core Course)	1	-	1
2	Internship in the Hospital (Professional Core Course)	-	2	2
3	Final Thesis	-	-	7
	Total	1	2	10

Number of Professional Core Units: 21 units

Number of Professional Optional Units: 8 units

Number of Supplementary Units: 4 units

Final Thesis: 7 units

Total: 40 units