



**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**

<b>First Semester Unit List for Medical Microbiology Master's Students</b>				
<b>Row</b>	<b>Course</b>	<b>Theoretical Units</b>	<b>Practical Units</b>	<b>Total Units</b>
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	Molecular Cell Biology of Eukaryotes and Prokaryotes (Professional Optional Course)	2	-	2
4	Medical Mycology (Professional Core Course)	0.5	0.5	1
5	Genetics of Microorganisms (Professional Core Course)	1	-	1
6	Medical Parasitology (Professional Core Course)	0.5	0.5	1
7	Safety and Quality Control in the Laboratory (Supplementary Course)	1	1	2
	<b>Total</b>	<b>8</b>	<b>2</b>	<b>10</b>

**Second Semester Unit List for Medical Microbiology Master's Students**

<b>Row</b>	<b>Course</b>	<b>Theoretical Units</b>	<b>Practical Units</b>	<b>Total Units</b>
1	Seminar (Professional Core Course)	1	-	1
2	Medical Virology (Professional Core Course)	1.5	0.5	2
3	Diagnostic Bacteriology 1 (Professional Core Course)	-	1	1
4	Immunology of Infectious Diseases (Professional Optional Course)	1.5	0.5	2
5	Introductory Bioinformatics (Professional Optional Course)	1	1	2
6	Antibiotics and Antimicrobial Agents (Professional Core Course)	1.5	0.5	2
7	Clinical Bacteriology 1 (Professional Core Course)	2	-	2
	<b>Total</b>	<b>8.5</b>	<b>3.5</b>	<b>12</b>

**Third Semester Unit List for Medical Microbiology Master's Students**

<b>Row</b>	<b>Course</b>	<b>Theoretical Units</b>	<b>Practical Units</b>	<b>Total Units</b>
1	Clinical Bacteriology 2 (Professional Core Course)	2	-	2
2	Internship in the Hospital (Professional Core Course)	-	2	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
	<b>Total</b>	<b>4</b>	<b>5</b>	<b>9</b>

**Fourth Semester Unit List for Medical Microbiology Master's Students**

<b>Row</b>	<b>Course</b>	<b>Theoretical Units</b>	<b>Practical Units</b>	<b>Total Units</b>
1	Final Thesis	-	-	7
	Total			7

**Number of Professional Core Units: 21 units**

**Number of Professional Optional Units: 6 units**

**Number of Supplementary Units: 4 units**

**Final Thesis: 7 units**

**Total: 38 units**