



Course Description Guide in Master of Sciences in Microbiology

First Semester

Course	Theoretical Hour(s)	Practical Hour(s)
Information technology	1	1
Structure & Physiology of Microorganisms	2	-
Host-Microbial Interactions	1	-
Antibiotics & Anti-microbial Agents	1.5	0.5
Mycology	0.5	0.5
Genetics of Microorganisms	1	-
Research Methods in Medical Sciences	2	-
Parasitology	0.5	0.5
Practical Bacteriology		2

Second Semester

Course	Theoretical Hour(s)	Practical Hour(s)
Systematic Bacteriology(1)	2	
Molecular Diagnosis Bacteriology	-	2
Medical Virology	1.5	0.5
Cellular and Molecular Biology	2	-
Immunology of Infectious Disease	1.5	0.5
Basic bioinformatics concepts	1	1



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Third Semester

Course	Theoretical Hour(s)	Practical Hour(s)
Systematic Bacteriology(2)	2	-
Internship in Hospital	-	2
Seminar	1	-
Thesis	7	-

Forth Semester

Course	Theoretical Hour(s)	Practical Hour(s)
Thesis	7	-