

Urmia University of Medical Sciences

School of Medicine

Microbiology Curriculum

Urmia University of Medical Sciences (UMSU)- International Campus

Microbiology Curriculum for the M.Sc. degree. Some subjects could be displaced between semesters.

Microbiology - 1st semester

	Subject	Number of Credits			Total credits
		Credit (Theory)	Credit (Practical)	Prerequisite	
1	Information technology	2	-	-	2
2	Cellular molecular biology of eukaryotic and prokaryotic	2	-	-	2
3	Structure and Physiology of Microorganisms	2	-	-	2
4	Antibiotics and antimicrobial agents	1	-	-	1
5	Research Methods in Medical Sciences	2	-	-	2
6	Genetics of Microorganisms	1	-	-	1
7	Communication between microorganisms and hosts	1	-	-	1
8					
Total					11

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Microbiology -2nd Semester

	Subject	Number of Credits			Total credits
		Credit (Theory)	Credit (Practical)	Prerequisite	
1	Mycology	2	-		2
2	Medical Virology	4	-		4
3	Immunology focusing on infectious diseases	3	-		3
4	Systematic Bacteriology I	2	-		2
5	Biostatistics	3	-		3
	Total				14

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Microbiology -3rd Semester

	Subject	Number of Credits			Total credits
		Credit (Theory)	Credit (Practical)	Prerequisite	
1	Systematic Bacteriology II	2	-	-	2
2	Bacteriology	-	2	-	2
3	Molecular Diagnostics Bacteriology	2	-	-	2
4	Seminar	1	-	-	1
5	Internship in hospital	2	-	-	2
Total					9

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Microbiology -4th Semester

	Subject	Number of Credits			Total credits
		Credit (Theory)	Credit (Practical)	Prerequisite	
1	Thesis	-	6	-	6
2	Hematology	2	-	-	2
8					
	Total				8