

الخطة الدراسية لبرنامج (ماجستير العلوم في الأحياء الدقيقة)

Master of Science in Microbiology

Thesis Track : (مسار الرسائل)

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours
Level 1	MIC60101	Advanced Bacteriology	Required	-	2
	MIC60102	Advanced Mycology	Required	-	2
	MIC60103	Advanced Virology	Required	-	2
Level 2	MIC60104	Molecular biology(lecture+ lab)	Required	-	3
	MIC60201	Special Topics in Pathogenesis of Microbial Diseases	Required	-	3
Level 3	MIC60202	Biostatistics and Experimental Design	Required	-	2
	-	Elective I from Group A	Elective	-	2
	-	Elective II from Group A	Elective	-	2
Level 4	MIC60301	Microbial Genetics	Required	-	2
	MIC60302	Food Microbiology	Required	-	2
Level 5	MIC60303	Seminar	Required	-	1
	-	Elective III from Group B	Elective	-	2
	-	Elective IV from Group B	Elective	-	2
Level 6	MIC6999	Thesis	Required	-	6
Total hours					33



تابع الخطة الدراسية لبرنامج (ماجستير العلوم في الأحياء الدقيقة)

Project Track : (مسار المشروع البحثي)

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours
Level 1	MIC60101	Advanced Bacteriology	Required	-	2
	MIC60102	Advanced Mycology	Required	-	2
	MIC60103	Advanced Virology	Required	-	2
Level 2	MIC60104	Molecular biology(lecture+ lab)	Required	-	3
	MIC60201	Special Topics in Pathogenesis of Microbial Diseases	Required	-	3
Level 3	MIC60202	Biostatistics and Experimental Design	Required	-	2
	-	Elective 1 from Group A	Elective	-	2
	-	Elective 2 from Group A	Elective	-	2
Level 4	MIC60301	Microbial Genetics	Required	-	2
	MIC60302	Food Microbiology	Required	-	2
	-	Elective 3 from Group B	Elective	-	2
Level 5	MIC60303	Seminar	Required	-	1
	-	Elective 3 from Group B	Elective	-	2
	-	Elective 4 from Group C	Elective	-	2
Level 6	MIC6555	Research project	Required	Passed all core courses	3
	-	Elective 6 from Group C	Elective	-	2
	-	Elective 7 from Group D	Elective	-	2
Total hours					36



Elective Course: (المقررات الاختيارية)

No	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours
Group A					
1	MIC60203	Advanced Phycology	Elective	None	2
2	MIC60204	Microbial toxins	Elective	None	2
3	MIC60205	Research Animal Facility	Elective	None	2
4	MIC60206	Primates model in Research	Elective	None	2
Group B					
5	MIC60304	Advanced Immunology	Elective	None	2
6	MIC60305	Handling and Anesthesia of Laboratory Animals	Elective	None	2
7	MIC60306	Plant Pathology	Elective	None	2
8	MIC60307	Microbial Plant Diseases Control	Elective	None	2
Group C					
9	MIC60401	Infectious Diseases of Animals	Elective	None	2
10	MIC60403	Epidemiology	Elective	None	2
11	MIC60405	Soil Microbiology	Elective	None	2
Group D					
12	MIC60404	Diseases of Global impact	Elective	None	2
13	MIC60402	Vaccinology	Elective	None	2

