

MSc Study Plan

First Level (Compulsory General Courses)								
#	Course Code	Course Name	Study Hours		Credit H	Workloads	ECTS	Prerequisite
			Lec.	Pract./Tut.				
1	BIO 611-2	Biochemistry and Molecular Biology	2	0	2	243	8.67	-
2	BIO 612-2	Advanced Biostatistics	2	0	2	207	7.39	-
3	BIO 613-2	Instrumental Analysis	1	1	2	201	7.17	-
4	MIC 633-3	Host-Parasite Relationship	3	0	3	279	9.96	-
Total			8	1	9	930	33.19	
Second Level (Compulsory General Courses)								
#	Course Code	Course Name	Study Hours		Credit H	Workloads	ECTS	Prerequisite
			Lec.	Pract./Tut.				
1	BIO 614-2	Experimental Design	2	0	2	311	11.10	-
2	BIO 615 -1	Seminar	1	0	1	403	14.39	-
3	ZOO 654-3	Advanced Genetics	3	0	3	238	8.50	-
Total			6	0	6	952	33.99	
Second Level (Compulsory within Specialization), the student chooses one course according to specialization.								
3	BOT 647-3	Pedology (Soil Science)	3	0	3	261	9.32	-
4	MIC 631 -3	Advanced Microbial Physiology	3	0	3	238	8.5	-
5	ZOO 658 -3	Comparative Animal Physiology	3	0	3	223	7.96	-
Total			8	1	9	722	25.78	
Third Level (Elective Courses in Microbiology), students should select 3 courses, 9 CH.								
#	Course Code	Course Name	Study Hours		Credit H	Workloads	ECTS	Prerequisite
			Lec.	Pract./Tut.				
1	MIC 639-3	Special Topic in Microbiology	3	0	3	240	8.57	MIC 631-3
2	MIC630-3	Advanced Bacteriology	3	0	3	246	8.78	MIC 631-3
3	MIC 632-3	Algal Physiology	3	0	3	242	8.64	MIC 631-3
4	MIC 634-3	Advanced Plant Pathology	3	0	3	243	8.67	MIC 631-3
5	MIC 635-3	Microbial Genetics	3	0	3	238	8.50	MIC 631-3
6	MIC 636-3	Microbial Ecology	3	0	3	222	7.92	MIC 631-3
7	MIC 637-3	Food Microbiology	3	0	3	235	8.39	MIC 631-3
8	MIC 638-3	Microbial Biotechnology	3	0	3	233	8.32	MIC 631-3
Third Level (Elective Courses in Botany), students should select 3 courses, 9 CH.								
#	Course Code	Course Name	Study Hours		Credit H	Workloads	ECTS	Prerequisite
			Lec.	Pract./Tut.				
1	BOT 649 -3	Special Topic in Botany	3	0	3	251	8.96	BOT 647-3
2	BOT 640-3	Molecular Plant Physiology	3	0	3	252	9.00	BOT 647-3
3	BOT 641-3	Plant Ecophysiology	3	0	3	245	8.75	BOT 647-3
4	BOT 642-3	Plant Population Ecology	3	0	3	264	9.42	BOT 647-3
5	BOT 643-3	Advanced Plant Taxonomy	3	0	3	226	8.07	BOT 647-3
6	BOT 644-3	Palynology	3	0	3	228	8.14	BOT 647-3
7	BOT645-3	Plant Geography	3	0	3	243	8.67	BOT 647-3
8	BOT646-3	Saudi Flora	2	1	3	287	10.25	BOT 647-3
9	BOT 648-3	Basics of plant analysis	2	1	3	296	10.57	BOT 647-3
Third Level (Elective Courses in Zoology), students should select 3 courses, 9 CH.								
#	Course Code	Course Name	Study Hours		Credit H	Workloads	ECTS	Prerequisite
			Lec.	Pract. /Tut.				
1	ZOO 659-3	Special Topic in Zoology	3	0	3	254	9.07	ZOO 658 -3
2	ZOO 650-3	Advanced Invertebrate	3	0	3	244	8.71	ZOO 658 -3
3	ZOO 651-3	Advanced Parasitology	3	0	3	244	8.71	ZOO 658 -3
4	ZOO 652-3	Advanced Embryology	3	0	3	249	8.89	ZOO 658 -3
5	ZOO 653-3	Advanced Animal Ecology	3	0	3	241	8.60	ZOO 658 -3
6	ZOO 655-3	Insect Taxonomy	3	0	3	250	8.92	ZOO 658 -3
7	ZOO 656-3	Insect Physiology	3	0	3	258	9.21	ZOO 658 -3
8	ZOO 657 -3	Comparative Vertebrate Anatomy	3	0	3	253	9.03	ZOO 658 -3
Fourth Level								
#	Course Code	Course Name	Study Hours		Credit H	Workloads	ECTS	Prerequisite
			Lec.	Pract./Tut.				
1	BIO 699-8	Thesis	8	0	8	1116	39.85	-