

Admission Year	2023	Program	Master
Plan Type	Thesis	Semester	First
Hours	9	Item Type	Department Elective
Group NO	1	Max Registration hrs	9
Faculty	Science		
Department	Biological Sciences		
Special Department	Biotechnology		
Gender	BOTH		

Course code	Course Name	hrs	Prerequisite Course	Equivalent Course	Teaching Method
BIO 602	Entrepreneurship in Biotechnology	3		( )	
BIO 607	Organism Cloning	3		( )	
BIO 615A	Advanced Embryology	3		( BIO 615 )	
BIO 617A	Advanced Neurobiology	3		( BIO 617 )	
BIO 619	Comparative Animal Physiology	3		( ب ٦١٩ )	
BIO 631A	Advanced Microbiology	3		( BIO 631 )	Normal
BIO 633A	Advanced Virology	3		( BIO 633 )	
BIO 635	CELL CULTURE TECHNIQUES	3		( )	
BIO 636A	Advanced Immunology	3		( BIO 636 )	
BIO 637	Plant Tissue Culture	3		( BIO 637A ) ( ب ١٦٢٧ )	
BIO 638	MICROBIAL BIOTECHNOLOGY	3		( ب ٦٣٨ )	
BIO 642A	Advanced Genetics	3		( BIO 642 )	
BIO 646	ENVIRONMENTAL BIOTECHNOLOGY	3		( )	
BIO 647	Nanotechnology	3		( )	
BIO 652A	Advanced Biochemistry	3		( BIO 652 )	Normal
BIO 653	BIOCHEMISTRY OF PROTEINS AND ENZYMES	3		( ب ٦٥٣ )	
BIO 656	Plant Biotechnology	3		( ب ٦٥٢ )	Normal
BIO 658A	Advanced Cell Biology	3		( BIO 658 )	Normal
BIO 659	BIOTECHNOLOGY IN HEALTH CARE	3		( ب ٦٥٩ )	Normal
BIO 692A	Advanced Special Topics	3		( BIO 692 )	Normal

Admission Year	2023	Program	Master
Plan Type	Thesis	Semester	First
Hours	24	Item Type	Department Mandatory
Group NO	1	Max Registration hrs	24
Faculty	Science		
Department	Biological Sciences		
Special Department	Biotechnology		
Gender	BOTH		

Course code	Course Name	hrs	Prerequisite Course	Equivalent Course	Teaching Method
BIO 600	Management and Investment of Biotechnologies	3		( )	Normal
BIO 601A	Advance Biotechnology	3		( BIO 601 )	
BIO 655A	Advanced Molecular Biology	3		( BIO 655 )	Normal
BIO 657A	Advanced Bioinformatics	3		( BIO 657 )	Normal
BIO 695	RESEARCH METHODS	3		( ب ٦٩٥ )	Normal
BIO 699A	MASTER THESIS	0		( ب ٦٩٩ )	Normal
BIO 699B	MASTER THESIS	3		( ب ٦٩٩ ب )	Normal
BIO 699C	MASTER THESIS	6		( ب ٦٩٩ ج )	Normal
BIO 699D	MASTER THESIS	9		( ب ٦٩٩ د )	Normal