



YEAR FOUR															
7th Term						8th Term									
Code	Course Name	T	P	L	C	ECTS	Prerequisite	Code	Course Name	T	P	L	C	ECTS	Prerequisite
MBG405	Immunology	2	0	0	2	3		MBG408	Bioethics	2	0	0	2	3	
MBG493	Graduation Project*	0	0	6	3	5		MBG494	Graduation Thesis*	0	0	8	4	10	MBG 493
MBGXXX	Departmental Elective IV	3	0	0	3	5		MBGXXX	Departmental Elective V	3	0	0	3	5	
XXXXXX	Field Elective II	3	0	0	3	5		MBGXXX	Departmental Elective VI	3	0	0	3	5	
XXXXXX	Field Elective III	3	0	0	3	5		XXXXXX	Field Elective IV	3	0	0	3	5	
XXXXXX	Social Elective III	3	0	0	3	5		OHS402	Occupational Health and Safety II	2	0	0	2	2	
OHS401	Occupational Health and Safety I	2	0	0	2	2		<b>Total Credits</b>		<b>13</b>	<b>0</b>	<b>8</b>	<b>17</b>	<b>30</b>	
<b>Total Credits</b>		<b>16</b>	<b>0</b>	<b>6</b>	<b>19</b>	<b>30</b>									

2023-2024	<b>Total Course Credits for Graduation</b>	151
	<b>Total Course ECTS for Graduation</b>	243
	<b>Total Elective Courses ECTS</b>	65
	<b>Elective Course Ratio</b>	26%

\* These courses are under the Applied Course status.  
 \*\* These courses are under the Internship Course status.

Elective Courses Pool														
DEPARTMENTAL ELECTIVES							Elective Foreign Languages							
Code	Course Name	T	P	L	C	ECTS	Code	Course Name	T	P	L	C	ECTS	Prerequisite
<b>Field : Biotechnology</b>							<b>Field Elective Courses</b>							
Departmental Electives With Project (3rd Year & 4th Year)							MDB402 Industrial Microbiology							
MBG318	Microbial Metabolism	3	0	0	3	5	MDB403	Problems and Progress in Biomedical Science	3	0	0	3	5	
MBG321	Plant Genetics and Biotechnology	3	0	0	3	5	<b>Social Elective Courses</b>							
MBG441	Advanced Methods in Molecular Biology	3	0	0	3	5	For Social Elective courses, any course (in English) having appropriate credits from other faculties can be elected.							
MBG427	Biochemical Ecology	3	0	0	3	5	<b>Social Elective Courses (Foreign Languages)</b>							
MBG443	Advanced Clinical Biochemistry	3	0	0	3	5	Code	Course Name	T	P	L	C	ECTS	Prerequisite
Departmental Electives (4th Year)							ARB123	Arabic I	3	0	0	3	5	
MBG440	Forensic Biology	3	0	0	3	5	ARB124	Arabic II	3	0	0	3	5	ARB123
<b>Field : Cell Biology</b>							CHN123	Chinese I	3	0	0	3	5	
Departmental Electives With Project (3rd Year & 4th Year)							CHN124	Chinese II	3	0	0	3	5	CHN123
MBG313	Cancer Molecular Biology	3	0	0	3	5	ARB123	Arabic I	3	0	0	3	5	
MBG341	Introduction to Toxicology	3	0	0	3	5	ARB124	Arabic II	3	0	0	3	5	ARB123
MBG343	Genetic Disorders	3	0	0	3	5	RSN123	Russian I	3	0	0	3	5	
MBG342	Stem Cell Technologies	3	0	0	3	5	RSN124	Russian II	3	0	0	3	5	RSN123
Departmental Electives (4th Year)														
MBG435	Neurochemistry	3	0	0	3	5								
MBG442	Nutritional Biochemistry	3	0	0	3	5								
<b>Field : Genetics</b>														
Departmental Electives With Project (3rd Year & 4th Year)														
MBG316	Genes, Environment and Behavior	3	0	0	3	5								
MBG319	Functional Genomics and Transcriptomics	3	0	0	3	5								
MBG330	Epigenetics	3	0	0	3	5								
MBG333	Molecular Evolution	3	0	0	3	5								
MBG343	Genetic Disorders	3	0	0	3	5								
Departmental Electives (4th Year)														
MBG418	Pharmacogenetics	3	0	0	3	5								
MBG419	Sports and Performance Genetics	3	0	0	3	5								
<b>Field : Neurobiology</b>														
Departmental Electives With Project (3rd Year & 4th Year)														
MBG307	Neurobiology	3	0	0	3	5								
MBG317	Memory	3	0	0	3	5								
MBG323	Special Topics in Neuroscience	3	0	0	3	5								
MBG326	Neurodevelopment	3	0	0	3	5								
Departmental Electives (4th Year)														
MBG411	Animal Behavior	3	0	0	3	5								
MBG417	Neurophysics	3	0	0	3	5								
MBG435	Neurochemistry	3	0	0	3	5								
Departmental Elective Courses (2nd Year)														
MBG205	Plant Biology	3	0	0	3	5								
MBG340	Human Anatomy	3	0	0	3	5								
MBG203	Biostatistics	3	0	0	3	5								
MBG213	Histology and Embryology	3	0	0	3	5								