

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BIL101	UTILIZATION OF BASIC COMPUTER TECHNOLOGY	2+1+0	Compulsory	4
KİM101	GENERAL CHEMISTRY 1	4+0+0	Compulsory	4
KİM103	GENERAL CHEMISTRY LABORATORY I	0+2+0	Compulsory	4
MAT101	BASIC MATHEMATICS	3+0+0	Compulsory	4
MBG103	TEMEL BİYOLOJİ	4+0+0	Compulsory	4
MBG105	BASIC BIOLOGY APPLICATION	0+0+2	Compulsory	3
MGB101	SCIENTIFIC RESEARCH AND WRITING MEASUREMENTS	2+0+0	Compulsory	3
TRD101	TURKISH LANGUAGE I	2+0+0	Compulsory	2
YDİ101	FOREIGN LANGUAGE I	2+0+0	Compulsory	2
Total ECTS				30

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
DJT100	DIGITAL LITERACY	2+0+0	Compulsory	3
FİZ102	GENERAL PHYSICS	3+0+0	Compulsory	5
KİM102	GENERAL CHEMISTRY II	4+0+0	Compulsory	4
KİM104	GENERAL CHEMISTRY LABORATORY II	0+2+0	Compulsory	3
MBG102	BIOLOGICAL DIVERSITY AND EVOLUTION	2+0+0	Compulsory	2
MBG104	BASIC MOLECULAR BIOLOGY	4+0+0	Compulsory	6
MBG106	BASIC MOLECULAR BIOLOGY LABORATORY	0+4+0	Compulsory	6
TRD102	TURKISH LANGUAGE II	2+0+0	Compulsory	2
YDİ102	FOREIGN LANGUAGE II	2+0+0	Compulsory	2
Total ECTS				33

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AİT201	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION I	2+0+0	Compulsory	2
KİM201	ORGANIC CHEMISTRY	4+0+0	Compulsory	4
MBG201	WRITING AND READING ACADEMIC ENGLISH I	2+0+0	Compulsory	4
MBG203	PHYSIOLOGY	3+0+0	Compulsory	4
MBG205	MOLECULAR CELL BIOLOGY I	4+0+0	Compulsory	4
MBG207	MOLECULAR CELL BIOLOGY LABORATORY	0+0+3	Compulsory	4
MBG209	BASIC GENETICS AND APPLICATIONS	3+2+0	Compulsory	5
OSD201	UNIVERSITY SHARING COURSES	-	Elective	3
Total ECTS				30

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AİT202	ATATURK'S PRINCIPLES AND HISTORY OF TURKISH REVOLUTION II	2+0+0	Compulsory	2
MAT202	BIostatISTICS	3+0+0	Compulsory	5
MBG202	MOLECULAR CELL BIOLOGY	4+0+0	Compulsory	6
MBG204	MICROBIOLOGY	3+0+0	Compulsory	5
MBG206	MICROBIOLOGY LABORATORY	0+0+3	Compulsory	5
MBG208	WRITING AND READING ACADEMIC ENGLISH II	2+0+0	Compulsory	4
FRM202	OPTIONAL FORMATION ELECTIVE COURSES (2 COURSES WILL BE SELECTE	-	Elective	7
OSD202	UNIVERSITY SHARING COURSES	-	Elective	3
Total ECTS				37

FOR212	INTRODUCTION TO EDUCATION	3+0+0	Elective	4
FOR214	CLASSROOM MANAGEMENT	2+0+0	Elective	3

5.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
KİM301	BIOCHEMISTRY I	3+0+0	Compulsory	4
KİM303	BIOCHEMISTRY LABORATORY I	0+2+0	Compulsory	4
MBG303	MOLECULAR GENETICS I	3+0+0	Compulsory	5
MBG305	TECNiques IN MOLECULAR BIOLOGY I	3+0+0	Compulsory	5
MBG307	RESEARCH TECHNIQUES IN MOLECULAR BIOLOGY	2+0+0	Compulsory	4
MBG309	BASIC BIOTECHNOLOGY	3+0+0	Compulsory	4

FRM301	OPTIONAL FORMATION ELECTIVE COURSES (2 COURSES WILL BE SELECTE	-	Elective	8
SEÇ301	ELECTIVES (1 COURSE WILL BE CHOSEN)	-	Elective	4
			Total ECTS	38
FOR311	SPECIAL TEACHING METHODS	3+0+0	Elective	4
FOR313	GUIDANCE AND SPECIAL EDUCATION	3+0+0	Elective	4
MBG311	ENZYME CATALYSIS AND KNOWLEDGE	3+0+0	Elective	4
MBG313	HUMAN GENETICS AND DISEASES	3+0+0	Elective	4
MBG315	PLANT CHEMISTRY AND PHARMACOLOGY	3+0+0	Elective	4
6.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
KİM304	BIOCHEMISTRY II	3+0+0	Compulsory	3
KİM306	BIOCHEMISTRY LABORATORY II	0+2+0	Compulsory	3
MBG304	MOLECULAR GENETICS II	3+0+0	Compulsory	3
MBG306	TECHNIQUES in MOLECULAR BIOLOGY II	3+0+0	Compulsory	3
MBG308	METHODS LABORATORY USED IN MOLECULAR BIOLOGY	0+0+3	Compulsory	4
MBG310	BROADCASTING TECHNIQUES IN MOLECULAR BIOLOGY	2+0+0	Compulsory	2
FRM302	OPTIONAL FORMATION ELECTIVE COURSES (2 COURSES WILL BE SELECTE	-	Elective	8
SEÇ302	ELECTIVES (3 COURSE WILL BE CHOSEN)	-	Elective	12
			Total ECTS	38
FOR322	PRINCIPLES AND METHODS OF TEACHING	3+0+0	Elective	4
FOR324	EDUCATION PSYCHOLOGY	3+0+0	Elective	4
MBG312	BIOINFORMATICS	3+0+0	Elective	4
MBG314	BIOLOGY OF CANCER	3+0+0	Elective	4
MBG316	MOLECULAR TRANSFER AND REGULATIONS	3+0+0	Elective	4
MBG318	PLANT MOLECULAR BIOLOGY	3+0+0	Elective	4
MBG320	CHROMOSOMES AND GENOM BIOLOGY	3+0+0	Elective	4
MBG322	MEDICAL MICROBIOLOGY AND BACTERIOLOGY	3+0+0	Elective	4
7.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
MBG403	GENETIC ENGINEERING	3+0+0	Compulsory	5
MBG405	GENETICS ENGINEERING LABORATORY	0+0+4	Compulsory	5
MBG407	ECOSYSTEMS WITH MOLECULES	2+0+0	Compulsory	4
FRM401	OPTIONAL FORMATION ELECTIVE COURSES (2 COURSES WILL BE SELECTE	-	Elective	7
SEÇ401	ELECTIVES (4 COURSE WILL BE CHOSEN)	-	Elective	16
			Total ECTS	37
FOR411	MEASUREMENT AND EVALUATION IN EDUCATION	3+0+0	Elective	4
FOR413	TEACHING TECHNOLOGIES	2+0+0	Elective	3
MBG401	FINAL PROJECT I	0+2+0	Elective	4
MBG409	BEET GENETICS AND DISEASES	3+0+0	Elective	4
MBG411	AGRICULTURAL BIOTECHNOLOGY	3+0+0	Elective	4
MBG417	FORENSIC COMMUNICATION SYSTEMS AND TECHNOLOGY	3+0+0	Elective	4
MBG419	CALCULATED BIOLOGY	3+0+0	Elective	4
MGB421	PRINCIPLES OF SYSTEMATICS	3+0+0	Elective	4
8.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
MBG404	BIOETICS	2+0+0	Compulsory	4
MBG406	MOLECULAR BIOTECHNOLOGY	2+0+0	Compulsory	4
MBG408	SEMINAR	2+0+0	Compulsory	2
FRM402	OPTIONAL FORMATION ELECTIVE COURSES (1 COURSES WILL BE SELECTE	-	Elective	10
SEÇ402	ELECTIVES (4 COURSE WILL BE CHOSEN)	-	Elective	20
			Total ECTS	40
FOR422	TEACHING APPLICATION	1+8+0	Elective	10
MBG402	FINAL PROJECT II	0+2+0	Elective	5
MBG412	IMMUNE SYSTEM AND GENETICS	3+0+0	Elective	5
MBG414	EMBRY AND DEVELOPMENT BIOLOGY	3+0+0	Elective	5
MBG416	SYNTHETIC BIOLOGY	3+0+0	Elective	5
MBG418	STEM CELL BIOLOGY	3+0+0	Elective	5
MBG420	APPLIED MICROBIOLOGY	3+0+0	Elective	5
MBG422	PLANT TISSUE CULTURE AND METABOLITRY	3+0+0	Elective	5