



Kafkas Üniversitesi
FACULTY OF SCIENCE AND LETTERS

Biology
Biyoloji

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
220201101	GENERAL BIOLOGY (BOTANY) I	4+0+0	Compulsory	5
220201103	GENERAL BIOLOGY LAB. (BOTANY) I	0+2+0	Compulsory	2
220201105	GEOLOGY	1+2+0	Compulsory	3
220201107	INTRODUCTION TO MOLECULAR BIOLOGY	3+0+0	Compulsory	4
220201109	BIOMATHEMATICS	3+0+0	Compulsory	3
220201111	GENERAL CHEMISTRY	2+0+0	Compulsory	3
220201113	GENERAL CHEMISTRY LAB.	0+2+0	Compulsory	2
220201115	USE OF BASIC INFORMATION TECHNOLOGIES	3+0+0	Compulsory	3
220201151	TURKISH LANGUAGE I	2+0+0	Compulsory	1
220201161	FOREIGN LANGUAGE I	2+0+0	Compulsory	1
220201171	ATATURK'S PRINCIPLES AND REVOLUTION HISTORY I	2+0+0	Compulsory	1
220201181	CAREER PLANNING	1+0+0	Compulsory	2
Total ECTS				30

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
220201102	GENERAL BIOLOGY (ZOOLOGY) II	4+0+0	Compulsory	6
220201104	GENERAL BIOLOGY LAB. (ZOOLOGY) II	0+2+0	Compulsory	3
220201106	MICROPREPARATION TECHNIQUES	1+2+0	Compulsory	3
220201108	GENERAL PALEONTOLOGY	2+0+0	Compulsory	2
220201110	BIOPHYSICS	3+0+0	Compulsory	3
220201112	BIostatISTICS	3+0+0	Compulsory	3
220201114	BASIC COMPUTER SCIENCES	3+0+0	Compulsory	3
220201116	ORGANIC CHEMISTRY	3+0+0	Compulsory	4
220201152	TURKISH LANGUAGE II	2+0+0	Compulsory	1
220201162	FOREIGN LANGUAGE II	2+0+0	Compulsory	1
220201172	ATATURK'S PRINCIPLES AND HISTORY OF REFORM I	2+0+0	Compulsory	1
Total ECTS				30

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
220201201	PLANT ANATOMY AND MORPHOLOGY	3+0+0	Compulsory	3
220201203	PLANT ANATOMY AND MORPHOLOGY LAB.	0+2+0	Compulsory	2
220201205	BIOLOGY OF INVERTEBRATE ANIMALS	3+0+0	Compulsory	3
220201207	BIOLOGY OF INVERTEBRATE ANIMALS LAB.	0+2+0	Compulsory	2
220201209	SEEDLESS PLANTS	3+0+0	Compulsory	3
220201211	SEEDLESS PLANTS LAB.	0+2+0	Compulsory	2
220201213	MOLECULAR BIOLOGY	3+0+0	Compulsory	3
220201215	MOLECULAR BIOLOGY LAB.	0+2+0	Compulsory	2
220201217	MICROBIOLOGY I	3+0+0	Compulsory	3
220201219	MICROBIOLOGY LAB. I	0+2+0	Compulsory	2
220201221	CYTOLOGY	3+0+0	Compulsory	3
220201223	CYTOLOGY LAB.	0+2+0	Compulsory	2
Total ECTS				30

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
220201202	SEED PLANTS	3+0+0	Compulsory	4
220201204	SEED PLANTS LAB.	0+2+0	Compulsory	2
220201206	MICROBIOLOGY II	3+0+0	Compulsory	4
220201208	MICROBIOLOGY LAB. II	0+2+0	Compulsory	2
220201210	ARTHROPOD	3+0+0	Compulsory	4
220201212	ARTHROPOD LAB.	0+2+0	Compulsory	2
220201214	VERTEBRATES	3+0+0	Compulsory	4
220201216	VERTEBRATES LAB.	0+2+0	Compulsory	2
220201218	GENERAL ECOLOGY	3+0+0	Compulsory	4
220201220	GENERAL ECOLOGY LAB.	0+2+0	Compulsory	2
Total ECTS				30

5.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
220201301	LIMNOLOGY	3+0+0	Compulsory	4
220201303	LIMNOLOGY LAB.	0+2+0	Compulsory	2
220201305	BIOCHEMISTRY I	3+0+0	Compulsory	4
220201307	BIOCHEMISTRY LAB. I	0+2+0	Compulsory	2
220201309	HISTOLOGY	3+0+0	Compulsory	4
220201311	HISTOLOGY LAB.	0+2+0	Compulsory	2
220201313	ANIMAL PHYSIOLOGY	3+0+0	Compulsory	4
220201315	ANIMAL PHYSIOLOGY LAB.	0+2+0	Compulsory	2
220201031	3rd YEAR FALL SEMESTER ELECTIVE COURSES	-	Elective	6
Total ECTS				30

220201317	CANCER BIOLOGY	3+0+0	Elective	3
220201321	PROFESSIONAL ENGLISH I	3+0+0	Elective	3
220201323	FISH SCIENCE	3+0+0	Elective	3
220201331	BIOLOGICAL FIGHT	3+0+0	Elective	3
220201333	MYCOLOGY	3+0+0	Elective	3
220201335	MEDICINAL PLANTS	3+0+0	Elective	3
220201339	PARASITOLOGY	3+0+0	Elective	3

6.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
220201302	GENETIC	3+0+0	Compulsory	4
220201304	GENETIC LAB.	0+2+0	Compulsory	2
220201306	BIOCHEMISTRY II	3+0+0	Compulsory	4
220201308	BIOCHEMISTRY LAB. II	0+2+0	Compulsory	2
220201310	PLANT PHYSIOLOGY	3+0+0	Compulsory	4
220201312	PLANT PHYSIOLOGY LAB.	0+2+0	Compulsory	2
220201314	MARINE BIOLOGY	3+0+0	Compulsory	4
220201316	MARINE BIOLOGY LAB.	0+2+0	Compulsory	2
220201032	3rd YEAR SPRING SEMESTER ELECTIVE COURSES	-	Elective	6
Total ECTS				30

220201322	PROFESSIONAL ENGLISH II	3+0+0	Elective	3
220201330	METABOLIC DISEASES	3+0+0	Elective	3
220201332	SUCUL TOXICOLOGY	3+0+0	Elective	3
220201334	MOLECULAR MICROBIOLOGY	3+0+0	Elective	3
220201336	MARINE POLLUTION	3+0+0	Elective	3
220201338	TURKEY VEGETATION	3+0+0	Elective	3
220201340	ENTOMOLOGY	3+0+0	Elective	3

7.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
220201401	MOLECULAR GENETICS	3+0+0	Compulsory	4
220201403	HUMAN BIOLOGY	3+0+0	Compulsory	4
220201405	PLANT GEOGRAPHY	3+0+0	Compulsory	4
220201407	PLANT EMBRYOLOGY	3+0+0	Compulsory	4
220201409	BIOLOGICAL APPLICATION I	2+2+0	Compulsory	5
220201041	4rd YEAR FALL SEMESTER ELECTIVE COURSES	-	Elective	9
Total ECTS				30

220201415	ECONOMIC PLANTS	3+0+0	Elective	3
220201421	ENDOCRINOLOGY	3+0+0	Elective	3
220201423	ECOTOXICOLOGY	3+0+0	Elective	3
220201425	GENETIC TOXICOLOGY	3+0+0	Elective	3
220201427	PLANT GROWTH AND DEVELOPMENT PHYSIOLOGY	3+0+0	Elective	3
220201429	GLOBAL WARMING AND CLIMATE CHANGE	3+0+0	Elective	3
220201445	ENVIRONMENTAL POLLUTION	3+0+0	Elective	3
220201459	IMMUNOLOGY	3+0+0	Elective	3

8.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
220201402	EVOLUTION	3+0+0	Compulsory	4
220201404	ANIMAL GEOGRAPHY	3+0+0	Compulsory	4
220201406	ANIMAL EMBRYOLOGY	3+0+0	Compulsory	4
220201408	TOXICOLOGY	3+0+0	Compulsory	4
220201410	BIOLOGICAL APPLICATION II	2+2+0	Compulsory	5
220201042	4rd YEAR SPRING SEMESTER ELECTIVE COURSES	-	Elective	9

220201420	POLLEN MORPHOLOGY	3+0+0	Elective	3
220201422	HUMAN GENETICS	3+0+0	Elective	3
220201424	VIROLOGY	3+0+0	Elective	3
220201426	NATURE CONSERVATION	3+0+0	Elective	3
220201428	SPECIAL HISTOLOGY	3+0+0	Elective	3
220201430	PHARMACOLOGY AND TOXICOLOGY	3+0+0	Elective	3
220201432	FLORA OF TURKEY	3+0+0	Elective	3
220201434	BIRD SCIENCE	3+0+0	Elective	3

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