



**AKSARAY ÜNİVERSİTESİ**  
**FACULTY OF SCIENCE AND LETTERS**  
**BİYOTEKNOLOJİ VE MOLEKÜLER BİYOLOJİ**  
**BİYOTEKNOLOJİ VE MOLEKÜLER BİYOLOJİ**

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BMB 201	GENETICS	3+2+0	Compulsory	5
BMB 205	CELL BIOLOGY	3+0+0	Compulsory	4
BMB 209	MICROBIOLOGY	3+0+0	Compulsory	4
BMB 211	MICROBIOLOGY LABORATORY	0+2+0	Compulsory	2
BMB 223	MOLECULAR BIOLOGY	3+0+0	Compulsory	5
BMB 225	MOLECULAR BIOLOGY LABORATORY	0+2+0	Compulsory	2
BMB 231	OCCUPATIONAL HEALTH AND SAFETY I	2+0+0	Compulsory	2
KİM 205	ORGANIC CHEMISTRY I	2+0+0	Compulsory	3
BMB 227	EXTRACURRICULAR ACTIVITIES-I	0+1+0	Elective	3
<b>Total ECTS</b>				<b>30</b>

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BMB 208	TECHNIQUES OF RESEARCH AND PRESENTATION	0+2+0	Compulsory	2
BMB 224	HISTOLOGY	3+0+0	Compulsory	5
BMB 226	HISTOLOGY LABORATORY	0+2+0	Compulsory	2
BMB 228	MOLECULAR GENETIC	3+0+0	Compulsory	5
BMB 230	MOLECULAR GENETIC LABORATORY	0+2+0	Compulsory	2
BMB 232	BIOMATERIALS	2+0+0	Compulsory	3
BMB 240	STEM CELL BIOLOGY	2+0+0	Compulsory	4
BMB 242	OCCUPATIONAL HEALTH AND SAFETY II	2+0+0	Compulsory	2
KİM 206	ORGANIC CHEMISTRY II	2+0+0	Compulsory	2
DDE 202	EXTRACURRICULAR ACTIVITIES II	0+1+0	Elective	3
<b>Total ECTS</b>				<b>30</b>

5.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BMB 301	BIOTECHNOLOGY I	3+0+0	Compulsory	4
BMB 303	BIOCHEMISTRY I	3+0+0	Compulsory	5
BMB 305	BIOCHEMISTRY LABORATORY I	0+2+0	Compulsory	2
BMB 307	PHYSIOLOGY	3+0+0	Compulsory	4
BMB 309	PHYSIOLOGY LABORATORY	0+2+0	Compulsory	2
BMB 323	BIOTECHNOLOGY LABORATORY I	0+2+0	Compulsory	2
BMB 325	GENETIC ENGINEERING	3+0+0	Compulsory	4
BMB 329	CHEMISTRY APPLICATIONS I	2+2+0	Elective	4
BMB 331	INSTRUMENTAL METHODS	3+0+0	Elective	4
ÜSDAKDMKTÜRK	FALL ACADEMIC TURKISH	2+0+0	Elective	3
ÜSDGÜZ FEN MÜF	GÜZ DÖNEMİ ÜSD FEN MÜHENDİSLİK	2+0+0	Elective	3
ÜSDGÜZ SAĞLIK	GÜZ DÖNEMİ ÜSD SAĞLIK BİLİMLERİ	2+0+0	Elective	3
ÜSDGÜZ SOSYAL	GÜZ DÖNEMİ ÜSD SOSYAL BİLİMLERİ	2+0+0	Elective	3
ÜSDGÜZ SPOR	GÜZ DÖNEMİ ÜSD SPOR BİLİMLERİ	2+0+0	Elective	3
<b>Total ECTS</b>				<b>46</b>

ÜSD AKTÜR 301	ACADEMIC TURKISH	2+0+0	Elective	3
ÜSDANT 373	BASKETBALL	2+0+0	Elective	3
ÜSDANT 375	FOOTBALL	2+0+0	Elective	3
ÜSDANT 377	SALON FOOTBALL	2+0+0	Elective	3
ÜSDANT 379	BADMİNTON	2+0+0	Elective	3
ÜSDANT 381	HEALTHY LIFE AND EXERCISE	2+0+0	Elective	3
ÜSDANT 383	NATURE SPORTS, TREKKING	2+0+0	Elective	3
ÜSDANT 385	ENGELLİLERLE İLETİŞİM YÖNTEMLERİ	2+0+0	Elective	3
ÜSDANT 387	KADIN VE YAŞLILARDA SPOR	2+0+0	Elective	3
ÜSDARK 389	MUSEOLOGY	2+0+0	Elective	3
ÜSDARK 391	ARCHAEOLOGICAL HISTORY OF AKSARAY PROVINCE	2+0+0	Elective	3
ÜSDAYAY 329	TEMEL AFET BİLGİSİ	2+0+0	Elective	3
ÜSDAYAY 331	ÇALIŞMA HAYATINDA NEZAKET	2+0+0	Elective	3
ÜSDBİY355	NANO WORLD	2+0+0	Elective	3
ÜSDBİY357	PLANT LIFE	2+0+0	Elective	3
ÜSDBMB 333	Hastalık Yapan Mikroorganizmalar ve Hijyen	2+0+0	Elective	3

ÜSDBMB 335	Adli Biyoloji	2+0+0	Elective	3
ÜSDÇMB 329	OBESITY AND ENVIRONMENTAL POLLUTION	2+0+0	Elective	3
ÜSDÇMB 331	ENVIRONMENTAL POLLUTION AND CONTROL I	2+0+0	Elective	3
ÜSDÇMB 333	POLLUTANTS AND ENVIRONMENTAL EFFECTS	2+0+0	Elective	3
ÜSDECON325	ECONOMY AND SOCIETY	2+0+0	Elective	3
ÜSDECON327	CURRENT PROBLEMS OF WORLD ECONOMY	2+0+0	Elective	3
ÜSDEEM 311	CHESS THEORY I	2+0+0	Elective	3
ÜSDEEM 313	GERMAN I	2+0+0	Elective	3
ÜSDEEM311	CHESS THEORY I	2+0+0	Elective	3
ÜSDEND 393	OUR PERISHING VALUES	2+0+0	Elective	3
ÜSDEND 395	İSTATİSTİKİ ÖĞRENME	2+0+0	Elective	3
ÜSDEND 397	ÇOK KRİTERLİ KARAR VERME	2+0+0	Elective	3
ÜSDENF 303	CARIER PLANNING IN THE DIGITAL WORD	2+0+0	Elective	3
ÜSDENF301	digital literacy	2+0+0	Elective	3
ÜSDFEL 389	THE ADVENTURE OF SCIENTIFIC THOUGHT	2+0+0	Elective	3
ÜSDFEL 391	PHILOSOPHY OF OTTOMAN THOUGHT	2+0+0	Elective	3
ÜSDFEL 393	PHILOSOPHY TALKS I	2+0+0	Elective	3
ÜSDFEN 301	HISTORY AND NATURE OF SCIENCE	2+0+0	Elective	3
ÜSDFEN 305	MATERNAL AND CHILD HEALTH	2+0+0	Elective	3
ÜSDFİZ 327	PROJE YAZIMI VE HAZIRLANMASI	2+0+0	Elective	3
ÜSDFİZ 329	TEMEL ELEKTRONİK	2+0+0	Elective	3
ÜSDFİZ 331	YAPAY ZEKAYA GİRİŞ	2+0+0	Elective	3
ÜSDFİZ 333	PYTHON	2+0+0	Elective	3
ÜSDFİZ 335	FİZİK VE TIP	2+0+0	Elective	3
ÜSDFİZ-321	ENVIRONMENTAL SCIENCE	2+0+0	Elective	3
ÜSDFİZ-323	ASTRONOMY AND SPACE SCIENCE	2+0+0	Elective	3
ÜSDFİZ-325	INTRODUCTION TO ARDUINO	2+0+0	Elective	3
ÜSDGAZ 325	MEDIA LITERACY	2+0+0	Elective	3
ÜSDGAZ 327	KEYBOARD	2+0+0	Elective	3
ÜSDGMÜ 339	Animal products technology	2+0+0	Elective	3
ÜSDGMÜ 341	Food codex and standarts	2+0+0	Elective	3
ÜSDHEM337	SPECIAL NUTRITION DISEASES	2+0+0	Elective	3
ÜSDHEM339	INFERTILITY AND ASSISTED REPRODUCTIVE TECHNIQUES	2+0+0	Elective	3
ÜSDHEM341	Family Health	2+0+0	Elective	3
ÜSDHİD 317	Hidrojeolojide CBS ve Uzaktan Algılama Teknikleri	2+0+0	Elective	3
ÜSDHİD 319	Hidrojeolojide Çevre Sorunları	2+0+0	Elective	3
ÜSDHİR 329	KURUMSAL SOSYAL SORUMLULUK	2+0+0	Elective	3
ÜSDHİR 331	PROPAGANDA	2+0+0	Elective	3
ÜSDHRT 365	BASIC MAP INFORMATION	2+0+0	Elective	3
ÜSDHRT 367	LAND MANAGEMENT	2+0+0	Elective	3
ÜSDISLT 345	Customer Relationship Management	2+0+0	Elective	3
ÜSDISLT339	ENTREPRENEURSHIP AND INNOVATION MANAGEMENT	2+0+0	Elective	3
ÜSDİDE315	Introduction to English Literature I	2+0+0	Elective	3
ÜSDİDE317	Selections in English Literature I	2+0+0	Elective	3
ÜSDİİF371	İSLAM İNANÇ ESASLARI	2+0+0	Elective	3
ÜSDİİF373	TEMEL DİNİ BİLGİLER	2+0+0	Elective	3
ÜSDİİF375	İSLAM SİYASET FELSEFESİ	2+0+0	Elective	3
ÜSDİİF377	DİNİ DÜŞÜNCENİN GÜNLÜK HAYATA YANSIMALARI	2+0+0	Elective	3
ÜSDİİF379	HZ. MUHAMMEDİN HAYATI	2+0+0	Elective	3
ÜSDİİF381	İSLAM TARİHİ	2+0+0	Elective	3
ÜSDİİF383	KURAN'IN ANLAŞILMASINDA YÖNTEM	2+0+0	Elective	3
ÜSDİİF385	HZ. MUHAMMED'İN DAVRANIŞ MODELLERİ	2+0+0	Elective	3
ÜSDİİF387	İSLAM VE HAYAT	2+0+0	Elective	3
ÜSDİİF389	MORAL EDUCATION IN FAMILY	2+0+0	Elective	3
ÜSDİİF391	İSLAM TARİHİ VE MEDENİYETİ OKUMALARI	2+0+0	Elective	3
ÜSDİİF393	KURAN'I OKUMAYA GİRİŞ	2+0+0	Elective	3
ÜSDİİF395	HADİS OKUMALARI	2+0+0	Elective	3
ÜSDİMÖ 309	EFFECTIVE COMMUNICATION	2+0+0	Elective	3
ÜSDİNŞ 441	CIVIL ENGINEERING EXPERIMENT TECHNIQUE	3+0+0	Elective	3
ÜSDİNŞ 449	HYDROLOGICAL MODELS	3+0+0	Elective	3
ÜSDJEO 337	Natural Hazards and Environmental Problems	2+0+0	Elective	3
ÜSDJEO 339	Geology and Society	2+0+0	Elective	3
ÜSDKAMU 335	PUBLIC ADMINISTRATION	2+0+0	Elective	3
ÜSDKAMU 337	CURRENT LAW ISSUES	2+0+0	Elective	3
ÜSDKİM 335	BASIC AND RENEWABLE ENERGY SOURCES	2+0+0	Elective	3
ÜSDKİM 337	GÖRSEL SANATLARIN SİMYASI	0+3+0	Elective	3
ÜSDKİM 339	Cosmetic Chemistry	2+0+0	Elective	3
ÜSDKM 301	KARİYER PLANLAMA	2+0+0	Elective	3
ÜSDMAD 331	MINING AND ENVIRONMENT	2+0+0	Elective	3

ÜSDMAD 333	ENERGY RESOURCES	2+0+0	Elective	3
ÜSDMAK 359	INTRODUCTION OF TRIBOLOGY	2+0+0	Elective	3
ÜSDMAK 361	ENERGY ECONOMY	2+0+0	Elective	3
ÜSDMAL 331	DIŞ TİCARET	2+0+0	Elective	3
ÜSDMAL 333	KAMU GELİRLERİ	2+0+0	Elective	3
ÜSDMAL321	TURKISH TAX SYSTEM	2+0+0	Elective	3
ÜSDMAL323	CURRENT FINANCIAL PROBLEMS	2+0+0	Elective	3
ÜSDMAL325	FINANCIAL ECONOMIC ANALYSIS	2+0+0	Elective	3
ÜSDMAL327	BASIC ECONOMY	2+0+0	Elective	3
ÜSDMAL329	TAX FOR EVERYONE	2+0+0	Elective	3
ÜSDMAL331	FOREIGN TRADE	2+0+0	Elective	3
ÜSDMAL333	PUBLIC EXPENDITURES AND INCOME	2+0+0	Elective	3
ÜSDMAT 393	MENTAL PROBLEMS	2+0+0	Elective	3
ÜSDMAT 395	MATHEMATICS AND NATURE	2+0+0	Elective	3
ÜSDMAT 397	BİLİM PROBLEMLERİ	2+0+0	Elective	3
ÜSDMAT 399	SELECTED TOPICS IN CONVEX ANALYSIS	2+0+0	Elective	3
ÜSDMİM 319	CURRENT APPROACHES TO ARCHITECTURAL DESIGN	2+0+0	Elective	3
ÜSDMİM 321	ZONING LAW	2+0+0	Elective	3
ÜSDSIN 001	Social Media and Digital Content Creation	2+0+0	Elective	3
ÜSDSIN 002	Mathematical Modeling	2+0+0	Elective	3
ÜSDSIN 003	Creative Drama	2+0+0	Elective	3
ÜSDSIN 004	Machine Learnig	2+0+0	Elective	3
ÜSDSKY329	YAKIN SAVUNMA SPORLARI (AİKİDO)	2+0+0	Elective	3
ÜSDSKY331	INTEGRATED MARKETING COMMUNICATIONS	2+0+0	Elective	3
ÜSDSOS 317	İNSAN HAKLARI VE DEMOKRASİ	2+0+0	Elective	3
ÜSDSOS 395	HUMAN AND CULTURE	2+0+0	Elective	3
ÜSDSOS 399	IMMIGRATION IN TURKEY	2+0+0	Elective	3
ÜSDSPY 363	STRATEJİK YÖNETİM	2+0+0	Elective	3
ÜSDSPY 365	KÜRESELLEŞME VE SPOR	2+0+0	Elective	3
ÜSDSPY 367	SPOR TARİHİ VE OLİMPİYATLAR	2+0+0	Elective	3
ÜSDSPY 369	CUMHURİYET DÖNEMİ TÜRK SPOR TARİHİ	2+0+0	Elective	3
ÜSDTAR 347	HISTORY TALKS I	2+0+0	Elective	3
ÜSDTAR 349	METHOD AND ETHICAL IN HISTORY	2+0+0	Elective	3
ÜSDTDE 327	ETKİLİ İLETİŞİM TEKNİKLERİ I	2+0+0	Elective	3
ÜSDTDE 329	TASAVVUF EDEBİYATI	2+0+0	Elective	3
ÜSDTUİ 301	INTRODUCTION TO TOURISM	2+0+0	Elective	3
ÜSDTUİ 303	SPECIAL INTEREST TOURISM	2+0+0	Elective	3
ÜSDTUR 301	TOURIST GUIDING	2+0+0	Elective	3
ÜSDTUR 303	CULTURAL HERITAGE	2+0+0	Elective	3
ÜSDULS353	CURRENT ISSUES IN IR	2+0+0	Elective	3
ÜSDULS355	ARABIC TRANSLATION	2+0+0	Elective	3
ÜSDVET373	AQUARIUM FISH FARMING	2+0+0	Elective	3
ÜSDVET375	EGZOTİK HAYVAN ANATOMİSİ VE YETİŞTİRİCİLİĞİ	2+0+0	Elective	3
ÜSDVET377	PET HAYVANCILIĞI	2+0+0	Elective	3
ÜSDVET379	TRANSGENIC ANIMALS	2+0+0	Elective	3
ÜSDVET381	KAN BİYOKİMYASI	2+0+0	Elective	3
ÜSDVET383	Use of Fish in Complementary Medicine	2+0+0	Elective	3
ÜSDYBS 371	WEKA İLE VERİ MADENCİLİĞİ	2+0+0	Elective	3
ÜSDYBS 373	İNSAN-BİLGİSAYAR ETKİLEŞİMİ VE KULLANILABİLİRLİK	2+0+0	Elective	3
ÜSDYBS367	İnternet Marketing	2+0+0	Elective	3

#### 6.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BMB 302	BIOTECHNOLOGY II	3+0+0	Compulsory	4
BMB 304	BIOCHEMISTRY II	3+0+0	Compulsory	5
BMB 306	BIOCHEMISTRY LABORATORY II	0+2+0	Compulsory	2
BMB 308	DEVELOPMENTAL BIOLOGY	3+0+0	Compulsory	4
BMB 324	BIOTECHNOLOGY LABORATORY II	0+2+0	Compulsory	2
BMB 326	PROJECT / SEMINARS / INTERNSHIP	0+2+0	Compulsory	3
BMB 314	PHARMACOGENETIC	3+0+0	Elective	4
BMB 318	PHYTOTHERAPY	3+0+0	Elective	4
BMB 320	TECHNIQUES OF RECOMBINANT DNA	3+0+0	Elective	4
BMB 322	AN INTRODUCTION TO FORENSIC SCIENCES	3+0+0	Elective	4
BMB 328	MODERN BIOTECHNOLOGICAL APPROACHS	3+0+0	Elective	4
BMB 330	MEDICAL PARASITOLOGY	3+0+0	Elective	4
BMB 332	BIOSEPARATION	3+0+0	Elective	4
BMB 336	IMMUNOLOGY	2+0+0	Elective	4
BMB 340	HUMAN BIOLOGY	3+0+0	Elective	4
BMB 342	MOLECULAR MICROBIOLOGY	3+0+0	Elective	4

BMB 352	INTRODUCING TO TERANOSTICK I	2+0+0	Elective	4
ÜSDAKDMKTÜRK	SPRING ACADEMIC TURKISH	2+0+0	Elective	3
ÜSDBAHAR FEN	MBAHAR DÖNEMİ ÜSD FEN MÜHENDİSLİK	2+0+0	Elective	3
ÜSDBAHAR SAĞLIBAHAR	DÖNEMİ ÜSD SAĞLIK BİLİMLERİ	2+0+0	Elective	3
ÜSDBAHAR SOSY.	BAHAR DÖNEMİ ÜSD SOSYAL BİLİMLER	0+0+0	Elective	3
ÜSDBAHAR SPOR	BAHAR DÖNEMİ ÜSD SPOR BİLİMLERİ	0+0+0	Elective	3

**Total ECTS 79**

ÜSD AKTÜR 301	ACADEMIC TURKISH	2+0+0	Elective	3
ÜSDANT 368	HANDBALL	2+0+0	Elective	3
ÜSDANT 370	VOLLEYBALL	2+0+0	Elective	3
ÜSDANT 372	TENNİS	2+0+0	Elective	3
ÜSDANT 374	SPORT CULTURE AND OLYMPISM	2+0+0	Elective	3
ÜSDANT 376	EXTREME SPORTS ORIENTEERING	2+0+0	Elective	3
ÜSDANT 378	ÖZEL EĞİTİME GİRİŞ	2+0+0	Elective	3
ÜSDANT 380	SPORDA FAİR PLAY	2+0+0	Elective	3
ÜSDARK 390	TURKISH ISLAMIC ART HISTORY	2+0+0	Elective	3
ÜSDARK 392	ANATOLIAN CIVILIZATIONS	2+0+0	Elective	3
ÜSDAYAY 330	KONTROLLÜ İLAÇ SALINIMI	2+0+0	Elective	3
ÜSDAYAY 332	İŞARET DİLİ	2+0+0	Elective	3
ÜSDAYAY 334	CELL BIOLOGY	2+0+0	Elective	3
ÜSDAYAY 336	TURKISH SIGN LANGUAGE	2+0+0	Elective	3
ÜSDBİY358	GREEN TECHNOLOGY	2+0+0	Elective	3
ÜSDBİY360	BIOLOGICAL DIVERSITY OF TURKEY	2+0+0	Elective	3
ÜSDBMB 346	HEALTH CARE OF NUTRITION AND COMMUNITY	2+0+0	Elective	3
ÜSDBMB 348	GENETIC DISEASES	2+0+0	Elective	3
ÜSDÇMB 334	ENERGY AND ENVIRONMENT	2+0+0	Elective	3
ÜSDÇMB 336	ENVIRONMENTAL POLLUTION AND CONTROL II	2+0+0	Elective	3
ÜSDECON326	ECONOMICS WITH DOCUMENTARIES	2+0+0	Elective	3
ÜSDECON328	CURRENT TOPICS IN TURKISH ECONOMY	2+0+0	Elective	3
ÜSDEEM 312	CHESS THEORY II	2+0+0	Elective	3
ÜSDEEM 314	GERMAN II	2+0+0	Elective	3
ÜSDEEM312	CHESS THEORY II	2+0+0	Elective	3
ÜSDEND 394	TOPLUM VE AİLE	2+0+0	Elective	3
ÜSDEND 396	SEZGİSEL YÖNTEMLER	2+0+0	Elective	3
ÜSDEND 398	MÜHENDİSLİKTE KRİZ YÖNETİMİ	2+0+0	Elective	3
ÜSDENF302	social media	2+0+0	Elective	3
ÜSDENF304	CARRIER PLANING IN THE DIGITAL WORLD	2+0+0	Elective	3
ÜSDFEL 390	APPLIED ETHICS	2+0+0	Elective	3
ÜSDFEL 392	MODERN TURKISH THOUGHT	2+0+0	Elective	3
ÜSDFEL 394	PHİLOSOPHY TALKS II	2+0+0	Elective	3
ÜSDFEN 302	Education for Sustainability	2+0+0	Elective	3
ÜSDFEN 304	Science, technology, Engineering and Mathematics Education	2+0+0	Elective	3
ÜSDFİZ 324	BİLİMSEL GÖRSELLEŞTİRME	2+0+0	Elective	3
ÜSDFİZ 326	ARAŞTIRMA VE GELİŞTİRMEDE KARİYER	2+0+0	Elective	3
ÜSDFİZ 328	HADİ DENEYELİM	2+0+0	Elective	3
ÜSDFİZ 330	MALZEMELERİN SİHİRLİ DÜNYASI	2+0+0	Elective	3
ÜSDFİZ 332	RADYASYON VE CANLI	2+0+0	Elective	3
ÜSDFİZ 334	BİTLERİN DÜNYASI	2+0+0	Elective	3
ÜSDFİZ-320	NANOTECHNOLOGY AND APPLICATIONS	2+0+0	Elective	3
ÜSDFİZ-322	TECHNOLOGICAL MATERIALS	2+0+0	Elective	3
ÜSDGAZ 326	POPULAR CULTURE AND MEDIA	2+0+0	Elective	3
ÜSDGAZ 328	SOCIAL MEDIA	2+0+0	Elective	3
ÜSDGMÜ 342	Non-thermal operations on food technology	2+0+0	Elective	3
ÜSDGMÜ 352	SÜT VE ÜRÜNLERİ TEKNOLOJİLERİ	2+0+0	Elective	3
ÜSDHEM334	FIRST AID	2+0+0	Elective	3
ÜSDHEM336	NUTRITION	2+0+0	Elective	3
ÜSDHİD 310	Madencilikte Su Yönetimi ve Kontrolü	2+0+0	Elective	3
ÜSDHİD 320	Petroloji	2+0+0	Elective	3
ÜSDHİR 328	YENİ MEDYA VE TOPLUM	2+0+0	Elective	3
ÜSDHİR 330	REKLAMCILIĞA GİRİŞ	2+0+0	Elective	3
ÜSDHRT 380	APPLICATIONS OF REMOTE SENSING	2+0+0	Elective	3
ÜSDHRT 382	APLICATIONS OF GEOGRAPHY INFORMATION SYSTEM	2+0+0	Elective	3
ÜSDISLT 342	GİRİŞİMCİLİK UYGULAMALARI	2+0+0	Elective	3
ÜSDISLT 350	CAPITAL MARKETS AND STOCK INVESTMENT OPERATIONS	2+0+0	Elective	3
ÜSDİDE316	Introduction to English Literature II	2+0+0	Elective	3
ÜSDİDE318	Selections in English Literature II	2+0+0	Elective	3
ÜSDİİF376	YAŞAYAN DÜNYA DİNLERİ	2+0+0	Elective	3
ÜSDİİF378	HZ. MUHAMMED'E ÇAĞDAŞ VE EVRENSEL YAKLAŞIMLAR	2+0+0	Elective	3

ÜSDİİF380	İSLAM MEDENİYETİ VE TARİHİ	2+0+0	Elective	3
ÜSDİİF382	İSLAM İBADET ESASLARI	2+0+0	Elective	3
ÜSDİİF384	KUR'AN OKUMA VE TECVİD	2+0+0	Elective	3
ÜSDİİF386	AİLEDE DEĞERLER VE EĞİTİMİ	2+0+0	Elective	3
ÜSDİİF388	İSLAM'DA ŞEHİR VE SOSYAL İLİŞKİLER	2+0+0	Elective	3
ÜSDİİF390	HZ.MUHAMMED'İN ÖRNEK KİŞİLİĞİ	2+0+0	Elective	3
ÜSDİİF392	SAHABE HAYATINDAN TABLOLAR	2+0+0	Elective	3
ÜSDİİF394	KURAN'I ANLAMAYA GİRİŞ	2+0+0	Elective	3
ÜSDİMÖ 310	Basic Use Of SPSS	2+0+0	Elective	3
ÜSDİNŞ 430	LOAD CARRYING CAPACITY OF STEEL STRUCTURES	3+0+0	Elective	3
ÜSDİNŞ 450	SEISMIC ISOLATION OF FOUNDATIONS	3+0+0	Elective	3
ÜSDKAMU 334	CURRENT POLITICAL POBLEMS	2+0+0	Elective	3
ÜSDKAMU 336	URBANIZATION AND ENVIRONMENTAL PROBLEMS	2+0+0	Elective	3
ÜSDKİM 332	CHEMICALS IN DAILY LIFE	2+0+0	Elective	3
ÜSDKİM 334	CHEMISTRY OF NATURE	2+0+0	Elective	3
ÜSDKM 302	KARIYER PLANLAMA	2+0+0	Elective	3
ÜSDMAD 332	NATUREL STONES	2+0+0	Elective	3
ÜSDMAD 334	MINERAL ECONOMICS	2+0+0	Elective	3
ÜSDMAK 364	CNC MACHINE TOOLS	2+0+0	Elective	3
ÜSDMAK 366	FACTORY ORGANIZATION	2+0+0	Elective	3
ÜSDMAL 332	TÜRK VERGİ SİSTEMİNDE GELİŞMELER	2+0+0	Elective	3
ÜSDMAL 334	KAMU MALİ OLAYLARI	2+0+0	Elective	3
ÜSDMAL322	TAX LAW	2+0+0	Elective	3
ÜSDMAL324	CURRENT ECONOMIC PROBLEMS	2+0+0	Elective	3
ÜSDMAL326	FINANCIAL ECONOMIC POLICY	2+0+0	Elective	3
ÜSDMAL328	CURRENT ECONOMY	2+0+0	Elective	3
ÜSDMAL330	SPSS APPLIED BASIC STATISTICAL METHODS	2+0+0	Elective	3
ÜSDMAL332	DEVELOPMENTS IN TURKISH TAX SYSTEM	2+0+0	Elective	3
ÜSDMAL334	PUBLIC FINANCIAL EVENTS	2+0+0	Elective	3
ÜSDMAT 390	NONEUCLIDIAN GEOMETRIES	2+0+0	Elective	3
ÜSDMAT 392	FIXED POINT THEORY	2+0+0	Elective	3
ÜSDMAT 394	ZEKA OYUNLARI	2+0+0	Elective	3
ÜSDMAT 396	INTRODUCTION TO CHESS	2+0+0	Elective	3
ÜSDMAT 398	HISTORY OF MATHEMATICS	2+0+0	Elective	3
ÜSDMİM 316	ÇEVRESEL DEĞERLENDİRME YÖNTEMLERİ	2+0+0	Elective	3
ÜSDMİM 318	GÖRSEL SANAT TEKNİKLERİ	2+0+0	Elective	3
ÜSDSİN 005	Data Mining	2+0+0	Elective	3
ÜSDSKY330	SAĞLIK EKONOMİSİ	2+0+0	Elective	3
ÜSDSKY332	DAVRANIŞ BİLİMLERİ	2+0+0	Elective	3
ÜSDSOS 326	ELEŞTİREL DÜŞÜNME	2+0+0	Elective	3
ÜSDSOS 388	İLETİŞİM VE TOPLUM	2+0+0	Elective	3
ÜSDSOS394	DİN VE SEKÜLERLEŞME	2+0+0	Elective	3
ÜSDSPY 366	OLİMPİZM VE FAİR PLAY	2+0+0	Elective	3
ÜSDSPY 368	BICYCLE	2+0+0	Elective	3
ÜSDSPY 370	POPÜLER SPORUN TARİHİ	2+0+0	Elective	3
ÜSDSPY 372	TREKKING	2+0+0	Elective	3
ÜSDTAR 348	HISTORY TALKS II	2+0+0	Elective	3
ÜSDTAR 350	OTTOMAN TURKISH	2+0+0	Elective	3
ÜSDTDE 328	ETKİLİ İLETİŞİM TEKNİKLERİ II	2+0+0	Elective	3
ÜSDTDE 330	MESNEVİ OKUMALARI	2+0+0	Elective	3
ÜSDTUI 302	SERVICE AND BAR	2+0+0	Elective	3
ÜSDTUI 304	BAKERY AND PASTRY	2+0+0	Elective	3
ÜSDTUR 302	WORLD TOURISM DESTINATIONS	2+0+0	Elective	3
ÜSDTUR 304	TOURISM GEOGRAPHY	2+0+0	Elective	3
ÜSDULS 354	TÜRK DIŞ POLİTİKASINDA MESELELER	2+0+0	Elective	3
ÜSDULS 356	HISTORY OF CIVILIZATIONS	2+0+0	Elective	3
ÜSDVET362	SPORT FISHING	2+0+0	Elective	3
ÜSDVET364	FISH PRODUCTION	2+0+0	Elective	3
ÜSDVET366	ARTİSTİK ANATOMİ	2+0+0	Elective	3
ÜSDVET368	HAYVANCILIKTA İLERİ ÜREME TEKNİKLERİ	2+0+0	Elective	3
ÜSDVET370	TEMEL OKSİDAN-ANTIOKSİDAN SİSTEMLER	2+0+0	Elective	3
ÜSDYBS 366	DIGITAL CITIZENSHIP	2+0+0	Elective	3
ÜSDYBS 372	WEB DESIGN	2+0+0	Elective	3
ÜSDYBS362	ANDROID PROGRAMLAMAYA GİRİŞ	2+0+0	Elective	3

#### 7.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BMB 403	BIOINFORMATICS	3+0+0	Compulsory	4
BMB 423	NANOTECHNOLOGY	3+2+0	Compulsory	6

BMB 425	BIOETHICS AND BIOSAFETY	3+0+0	Compulsory	4
BMB 401	MICROBIAL BIOTECHNOLOGY	3+0+0	Elective	4
BMB 407	ENDOCRINOLOGY	3+0+0	Elective	4
BMB 409	CLINIC BIOCHEMISTRY	3+0+0	Elective	4
BMB 411	PLANT TISSUE CULTURE	3+0+0	Elective	4
BMB 415	CANCER BIOLOGY	3+0+0	Elective	4
BMB 419	INTRODUCTION TO BIOSENSORS	3+0+0	Elective	4
BMB 421	BIOTECHNOLOGY PRACTISES I	1+2+0	Elective	4
BMB 427	ANIMAL BIOTECHNOLOGY	3+0+0	Elective	4
BMB 429	EPIGENETIC	2+0+0	Elective	3
BMB 431	BIOPHYSIC	2+0+0	Elective	4
BMB 435	CONSERVATION BIOLOGY	2+0+0	Elective	4
BMB 437	ENZYMOLGY	3+0+0	Elective	4
BMB 443	TRADITIONAL BIOTECHNOLOGY	2+0+0	Elective	4
BMB 445	VACCINES AND INFECTIOUS DISEASES	2+0+0	Elective	4
<b>Total ECTS</b>				<b>69</b>

#### 8.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BMB 402	ENVIRONMENT BIOTECHNOLOGY	3+0+0	Elective	4
BMB 408	ENTREPRENEURSHIP	3+1+0	Elective	4
BMB 410	SYSTEMS OF SIGNAL TRANSMISSION	2+0+0	Elective	4
BMB 412	ANIMAL TISSUE CULTURE	3+0+0	Elective	4
BMB 416	PRACTICES OF GENOMIC AND PROTEOMIC	3+0+0	Elective	4
BMB 418	SIGN LANGUAGE	3+0+0	Elective	4
BMB 420	BIOTECHNOLOGY PRACTICES II	1+2+0	Elective	3
BMB 422	MEDICAL BIOLOGY AND GENETIC	3+0+0	Elective	4
BMB 424	BIOSENSORS AND BIOCONVERTORS	3+0+0	Elective	4
BMB 426	BIOTECHNOLOGY OF FOOD AND AGRICULTURE	3+0+0	Elective	4
BMB 428	PLANT BIOTECHNOLOGY	3+0+0	Elective	4
BMB 430	FORENSIC GENETIC	2+0+0	Elective	3
BMB 432	POPULATION GENETICS	2+0+0	Elective	3
BMB 434	VIROLOGY	2+0+0	Elective	3
BMB 436	BUSINESS ENGLISH	2+0+0	Elective	3
BMB 438	HEMATOLOGY	2+0+0	Elective	3
BMB 440	HISTORY OF SCIENCE	2+0+0	Elective	3
BMB 442	REASONS AND TECHNOLOGIES OF BIOCHEMICAL REACTIONS	3+0+0	Elective	4
BMB 444	MICROBIAL PRACTISES	3+0+0	Elective	4
BMB 446	COOPERATIVE EDUCATION PROGRAM	0+40+0	Elective	30
BMB 448	INTRODUCTION TERANOSTICS	2+0+0	Elective	4
BMB 450	BIOMEDICAL DEVICE TECHNOLOGY	2+0+0	Elective	4
BMB 452	VOLUNTEERING STUDIES	1+2+0	Elective	4
<b>Total ECTS</b>				<b>111</b>