

Mühendislik Fakültesi /Faculty of Engineering
2019-2020 Yaz Döneminde Açılan Dersler / 2019-2020 Summer Semester Offered
Courses

INFORMATION SYSTEMS ENGINEERING (English Program)	
Course Code	Course Name
ECC102	Programming and Problem Solving
ECC201	Data Structures and Algorithms
ECC108	Object-Oriented Programming
ECC429	Engineering Ethics
ECC311	Management Information Systems
ECC204	Circuit Theory
BİLİŞİM SİSTEMLERİ MÜHENDİSLİĞİ (Türkçe Program)	
DersKodu	DersAdı
MOD003	YazılımMühendisliği
MOD311	YönetimBilişimSistemleri
BSM491	BitirmeProjesi I
MOD005	İnternet Programlama
MOD402	BilgisayarGrafikleri
MOD422	YazılımSınanması
MOD435	İşGüvenliğiveSağlığı I

ELEKTRONİK TEKNOLOJİLERİ 2. YILLIK (Türkçe Program)	
Ders Kodu	DersAdı
EET 241	ELEKTRİK MAKİNELERİ
EET 218	SOĞUTMA VE İKLİMLENDİRME SİSTEMLERİ
EET 213	SENSÖRLER VE DÖNÜŞTÜRÜCÜLER
TUR 101	TÜRK DİLİ I

ELECTRICAL & ELECTRONICS ENGINEERING (English Program)	
Ders Kodu	DersAdı
EE 476	HIGH VOLTAGE TECHNIQUES-II
EE471	POWER SYSTEM ANALYSIS I
EE 401	ENGINEERING DESIGN I
EE 210	COMPUTER APPLICATIONS
EE 321	ELECTRONICS II
EE 492	ILLUMINATION ENGINEERING
ECC 216	CIRCUIT THEORY I
ECC001	LOGIC CIRCUIT DESIGN
EE 331	ELECTROMECH. ENERGY CONVERSION I
ECC 008	SIGNALS & SYSTEMS
ECC 301	MICROPROCESSORS
EE 324	LINEAR CONTROL SYSTEMS
EE 332	ELECTROMECH. ENERGY CONVERSION II
EE 457	ROBOTIC SYSTEMS
EE 475	HIGH VOLTAGE TECHNIQUES I
EE 216	ELECTROMAGNETIC THEORY
EE 435	MECHATRONICS
EE 241	ELECTRICAL MATERIALS
EE 402	ENGINEERING DESIGN II

EE 451	DIGITAL ELECTRONICS
EE 411	TELECOMMUNICATIONS
EE 478	DISTRIBUTION SYSTEM TECHNIQUES
EE 346	COMMUNICATION SYSTEMS
ECC 218	ELECTRONICS I
EE 474	STATIC POWER CONVERSION
EE 412	RADAR SYSTEMS
EE 473	POWER SYSTEM PROTECTION
EE 424	PROCESS CONTROL INSTR. TECHNOLOGY
EE 220	ELECTRICAL MEASUREMENTS
EE 429	MOBILE COMMUNICATION SYSTEMS
EE 470	PROGRAMMABLE LOGIC CONTROLLERS
EE 425	SATELLITE COMMUNICATION SYSTEMS
EE 416	COMPUTER NETWORKING

ELEKTRİK & ELEKTRONİK MÜHENDİSLİĞİ (Türkçe Program)

Ders Kodu	DersAdı
MOD 008	SİNYALLER VE SİSTEMLER
ELE 216	ELEKTROMANYETİK TEORİ
ELE 433	GÜÇ ELEKTRONİĞİ
ELE 476	YÜKSEK GERİLİM TEKNİĞİ II
ELE 457	ROBOTİK SİSTEMLERİ
ELE 324	KONTROL SİSTEMLERİ
ELE 346	İLETİŞİM SİSTEMLERİ
ELE 241	ELEKTRİK MALZEMELERİ
ELE 424	PROSES KONTROL & ENST. TEKNOLOJİSİ
ELE 470	PLC
ELE 472	GÜÇ SİSTEMLERİ ANALİZİ II
MOD 301	MİKROİŞLEMCİLER

MECHATRONICS ENGINEERING (English Program)

Ders Kodu	DersAdı
ECC 218	ELECTRONICS I
ECC 211	ENGINEERING MATERIALS
ECC 213	STRENGTH OF MATERIALS
MECT 410	INTRODUCTION TO CAPSTONE DESIGN
ECC 216	CIRCUIT THEORY I
ECC 301	MICROPROCESSORS
COM 210	OBJECT ORIENTED PROGRAMMING
EE 457	ROBOTIC SYSTEMS
MECT411	CAPSTONE TEAM PROJECT
ECC 008	SIGNALS AND SYSTEMS
MECT 201	MECHANICAL WORKSHOP PRACTICE
MECT301	MECHATRONICS COMP. AND INSTR.
ECC 013	TECHNICAL DRAWING II
ECC 207	THERMODYNAMICS I
ECC 103	TECHNICAL DRAWING I
ECC 310	CONTROL SYSTEMS
ECC 206	STATICS
ECC 209	MANUFACTURING TECHN. I
ECC 208	DYNAMICS

ECC429	ENGINEERING ETHICS
ECC 001	LOGIC CIRCUIT DESIGN
ECC 101	C PROGRAMMING

PETROLEUM AND NATURAL GAS ENGINEERING (English Program)	
Course Code	Course Name
PGE301	FLUID MECHANICS
PGE101	INTRODUCTION TO PETROLEUM ENGINEERING
PGE 202	PETROLEUM GEOLOGY
PGE 303	PETROLEUM PRODUCTION ENGINEERING I
PGE 305	PETROLEUM RESERVOIR ENGINEERING I
PGE 306	PETROLEUM RESERVOIR ENGINEERING II
PGE 307	DRILLING ENGINEERING I
PGE 308	DRILLING ENGINEERING II
PGE 310	OIL AND GAS PIPELINE SYSTEM
PGE 312	WELL LOGGING
PGE 401	GRADUATION PROJECT I
PGE 402	GRADUATION PROJECT I
PGE 403	NATURAL GAS ENGINEERING
PGE 405	PETROLEUM ENGINEERING DESIGN I
PGE 406	PETROLEUM ENGINEERING DESIGN II
PGE 408	GEOPHYSICS FOR PETROLEUM ENGINEERS
PGE 420	PROJECT MANAGEMENT
PGE 421	INTRODUCTION TO GEOTHERMAL RESERVOIR ENGINEERING
PGE 424	PHYSICAL AND ENGINEERING PROPERTIES OF ROCK
PGE 426	PETROLEUM GEOCHEMISTRY
PGE 434	INDIVIDUAL STUDIES
PGE 436	SIMULATING OF GEOSYSTEMS
PGE 437	WELL TEST ANALYSIS

FOOD ENGINEERING(English Program)	
Course Code	Course Name
FDE205	Biochemistry
FDE212	Food Engineering Unit Operations I
FDE311	Food Engineering Unit Operations II
FDE403	Process Control
FDE521	Biochemical Changes in Foods
FDE524	QA/QC in Food Analysis
FDE568	Biosensors for Life Sciences

INDUSTRIAL ENGINEERING (English Program)	
Course Code	Course Name
IND101	Fundamentals of Industrial Engineering
IND102	Information Technologies for Industrial Engineering

AUTOMOTIVE ENGINEERING (English Program)	
Code Course	Course Name
ECC013	Engineering Drawing II
ECC103	Engineering Drawing I
ECC206	Statics
ECC207	Thermodynamics I
ECC208	Thermodynamics II
ECC209	Manuf. Technology I
ECC211	Engineering Materials
ECC212	Dynamics
ECC213	Strength of Materials I
ECC304	Fluid Mechanics I
ECC305	Manufacturing Tech. II
ECC306	Heat Transfer I
ECC307	Machine Design I
ECC308	Machine Design II
ECC309	Theory of Machines I
ECC310	Control Systems
ECC424	Exp. Analysis of Mech. Eng. Sys
ECC425	Internal Combustion Engines
ECC427	Management for Engineers
ECC434	Quality Control
ME307	Strength of Materials II
ME314	Heat Transfer II
ME400	Graduation Project
ME403	Theory of Machines II
ME411	HAVAC
ME415	Wind Energy
ME416	Solar Energy
AUE306	Vehicle Component Design
AUE401	Vehicle Dynamics
AUE403	Vehicle Body Design

OTOMOTİV MÜHENDİSLİĞİ (Türkçe Program)	
Ders Kodu	Dersin Adı
MOD101	Bilgisayara Giriş ve Progr.
MOD206	Statik
MOD207	Termodinamik I
MOD208	Termodinamik II
MOD209	Üretim Teknikleri I
MOD211	Müh. Malzemeleri
MOD212	Dinamik
MOD213	Mukavemet I
MOD214	Elektrik Makinaları
MOD304	Akışkanlar Mekaniği I
MOD305	Üretim Teknikleri II
MOD306	Isı Transferi I
MOD307	Makina Tasarımı I
MOD308	Makina Tasarımı II

MOD309	MakinaTeorisi I
MOD310	KontrolSistemleri
MOD424	MekanikSis.Deneysel Anal.
MAK307	Mukavemet II
MAK314	IsıTransferi II
MAK400	BitirmeProjesi
MAK403	MakinaTeorisi II
MAK416	GüneşEnerjisi
MAK429	BilgisayarDestekliTasarım
MAK431	EnerjiDönüşümSistemleri
MAK441	AkışkanlarMekaniği II
OTO306	AraçParçaTasarımı
OTO401	AraçDinamiği
OTO403	AraçGövdeTasarımı

MECHANICAL ENGINEERING (English Program)	
Course Code	Course Name
ECC013	Engineering Drawing II
ECC103	Engineering Drawing I
ECC206	Statics
ECC207	Thermodynamics I
ECC208	Thermodynamics II
ECC209	Manuf. Technology I
ECC211	Engineering Materials
ECC212	Dynamics
ECC213	Strength of Materials I
ECC304	Fluid Mechanics I
ECC305	Manufacturing Tech. II
ECC306	Heat Transfer I
ECC307	Machine Design I
ECC308	Machine Design II
ECC309	Theory of Machines I
ECC424	Exp. Analysis of Mech. Eng. Sys
ECC425	Internal Combustion Engines
ECC434	Quality Control
ME307	Strength of Materials II
ME314	Heat Transfer II
ME403	Theory of Machines II
ME411	HAVAC
ME415	Wind Energy
ME416	Solar Energy

MAKINA MÜHENDİSLİĞİ (TürkçeProgramı)	
Ders Kodu	DersinAdı
MOD206	Statik
MOD207	Termodinamik I
MOD208	Termodinamik II
MOD209	Üretim Teknikleri I
MOD211	Müh. Malzemeleri
MOD212	Dinamik
MOD213	Mukavemet I

MOD304	Akışkanlar Mekaniği I
MOD305	Üretim Teknikleri II
MOD306	Isı Transferi I
MOD307	Makina Tasarımı I
MOD308	Makina Tasarımı II
MOD309	Makina Teorisi I
MOD424	Mekanik Sis.Deneysel Anal.
MAK307	Mukavemet II
MAK314	Isı Transferi II
MAK403	Makina Teorisi II
MAK416	Güneş Enerjisi
MAK429	Bilgisayar Destekli Tasarım
MAK431	Enerji Dönüşüm Sistemleri
MAK441	Akışkanlar Mekaniği II

COMPUTER ENGINEERING(English Program)	
Course Code	Course Name
ECC101	Introduction to Com./Introduction to Program.
ECC106	Introduction to Programming I
ECC104	Discrete Structures
ECC102	Programming and Problem Solving
ECC001	Logic Design
ECC204	Electrical Circuits
ECC205	Basic Electronics
ECC201	Data Structures and Algorithms
ECC301	Microprocessors
ECC302	Operating systems
COM344	Automata Theory
COM360	Signals and Systems
COM382	Real-time Systems
COM339	Programming Language Concepts
ECC303	Data CommunicationandNetworking
ECC003	Software Engineering
COM490	Engineering Design I
COM491	Engineering Design II
ECC426	Economics for Engineers
BİLGİSAYAR MÜHENDİSLİĞİ (Türkçe Program)	
DersKodu	DersinAdı
MOD101/MOD106	ProgramlamayaGiriş
ECC102	ProgramlamaveSoruÇözme
MOD104	AyrıkYapılar
MOD001	SayısalMantık
MOD201	VeriyapılarıveAlgoritmalar
MOD204	ElektrikDevreleri
MOD205	TemelElektronik
BLG344	OtomataTeorisi
BLG333	Yönleyem Araştırması
BLG360	Sinyaller and Sistemler
BLG382	Gerçekzamanlısistemler
MOD303	Veriiletişmiveağlar

MOD301	Mikroişlemçiler
MOD302	İşletim Sistemleri
MOD003	Yazılım Mühendisliği
MOD406	Sistem Programlama

SOFTWARE ENGINEERING (English Program)	
Course Code	Course Name
ECC102	Programming and Problem Solving
ECC201	Data Structures and Algorithms
ECC108	Object Oriented Programming
ECC429	Engineering Ethics
ECC311	Management Information Systems
ECC426	Economics for Engineers
ECC427	Management for Engineers
ECC001	Digital Logic Design
SWE202	Software Construction
SWE234	Human Computer Interaction
SWE301	Software Architecture and Design
SWE302	Software Quality Assurance and Testing
SWE304	Software Requirement Analysis
SWE491	Software Senior Project I

MATERIALS SCIENCE AND NANOTECHNOLOGY ENGINEERING (English Program)	
Course Code	Course Name
MSN101	Introduction to Materials Science and Nanotechnology Engineering
MSN205	Physical Chemistry and Thermodynamics
MSN301	Synthesis and Fabrication of Nanoengineering Systems
MSN401	Characterization of Nanoengineering Systems
CHM201	Inorganic Chemistry
MSN400	Graduation Project

BIOMEDICAL ENGINEERING (English Program)	
Course Code	Course Name
BME202	BIOMATERIALS
BME321	ARTIFICIAL ORGANS
BME110	MEDICAL ENGLISH
BME320	BIOMECHANICS
BME310	BIOMEDICAL ELECTRONICS
BME401	INSTRUMENTAL ANALYSIS
BME400	GRADUATION PROJECT I
BME402	GRADUATION PROJECT II
ECC301	MICROPROCESSORS
ECC008	SIGNALS & SYSTEMS
ECC204	ELECTRIC CIRCUITS
ECC205	BASIC ELECTRONICS
ECC001	LOGIC DESIGN
BME321	ARTIFICIAL ORGANS
BME340	MODELING OF BIOLOGICAL SYSTEMS

BME210	ANATOMY AND PHYSIOLOGY
BME431	CARDIOVASCULAR BIOMECHANICS
BME432	FUNDAMENTAL APPLICATIONS OF CT
BME102	BIOCHEMISTRY
BME301	BIOMEDICAL SENSORS
BME250	BIOSTATISTICS
BME303	BIOMEDICAL IMAGING
BME452	BIOMEDICAL SIGNAL PROCESSING
BME311	BIOMEDICAL INSTRUMENTATION I
BME260	ELECTROMAGNETIC THEORIES
BME435	BIOINFORMATICS
BME350	RADIOLOGY PHYSICS
ECC107	BIOLOGY
ECC217	MICROBIOLOGY
BİYOMEDİKAL MÜHENDİSLİĞİ (Türkçe Program)	
Ders Kodu	Dersin Adı
BMM110	MEDİKAL İNGİLİZCE
BMM301	BİYOMEDİKAL SENSÖRLER
BMM202	BİYOMATERYALLER
BMM303	BİYOMEDİKAL GÖRÜNTÜLEME
BMM310	BİYOMEDİKAL ELEKTRONİK
MOD204	ELEKTRİK DEVRELERİ
MOD205	TEMEL ELEKTRONİK
BMM260	ELEKTROMANYETİK TEORİLER
BMM350	RADYOLOJİ FİZİĞİ
BMM340	BİYOLOJİK SİSTEMLERİN MODELLENMESİ
BMM401	ENSTRÜMENTAL ANALİZ
MOD107	BİYOLOJİ

COMMON COURSES - CHEMISTRY (English Program)	
Course Code	Course Name
CHM101	General Chemistry
CHM102	General Chemistry II
CHM122	Organic Chemistry
ORTAK DERSLER - KİMYA (Türkçe Program)	
Course Code	Course Name
KİM101	Genel Kimya I
COMMON COURSES - PHYSICS (English Program)	
Course Code	Course Name
PHY101	General Physics I
PHY102	General Physics II
ORTAK DERSLER - FİZİK (Türkçe Program)	
Course Code	Course Name
FİZ101	Genel Fizik I
FİZ102	Genel Fizik II

COMMON COURSES - MATHEMATICS (English Program)	
Course Code	Course Name
MTH101	CALCULUS I
MTH102	CALCULUS II
MTH113	LINEAR ALGEBRA
MTH201	DIFFERENTIAL EQUATIONS
MTH232	ADVANCE MATHEMATICS
MTH241	COMPLEX ANALYSIS
MTH251	STATISTICS & PROBABILITY
MTH323	NUMERICAL ANALYSIS
ORTAK DERSLER -MATEMATİK (Türkçe Program)	
Course Code	Course Name
MAT101	KALKULUS I
MAT102	KALKULUS II
MAT113	LINEER CEBİR
MAT201	DİFERANSİYEL DENKLEMLER
MAT232	İLERİ MATEMATİK
MAT241	KARMAŞIK ANALİZ
MAT251	İSTATİSTİK VE OLASILIK
MAT323	SAYISAL ANALİZ