

Eskişehir Osmangazi Üniversitesi Elektrik-Elektronik Mühendisliği Bölümü
2024-2025 Güz Yarıyılı ve Sonrasında Bölüme Başlayanlar için Eğitim Planı

Ders Kodu	Ders Adı	T	U	Kredi	AKTS
1. YARIYIL	1. SINIF GÜZ	22	6	23	30
151221201	ATATÜRK İLKE.VE İNK.TARİHİ I	2	0	2	2
151221202	CALCULUS I	4	0	4	5
151221195	CHEMISTRY	3	0	3	3
151221xxx	EXPOSITORY WRITING	3	0	3	3
151221xxx	INT.TO ELECTRICAL&ELECTRONICS ENG.	1	2	2	2
151221203	INTRODUCTION TO PROGRAMMING	2	2	3	5
151221198	PHYSICS I	3	0	3	3
151221199	PHYSICS I LAB.	0	2	1	2
151221181	TÜRK DİLİ I	2	0	0	2
	SOSYAL SEÇMELİ I -- (SOCIAL ELECTIVE I)	2	0	2	3
2. YARIYIL	1. SINIF BAHAR	22	6	23	30
151222200	ATATÜRK İLKE.VE İNK.TARİHİ II	2	0	2	2
151222201	CALCULUS II	4	0	4	5
151222137	COMPUTER PROGRAMMING	2	2	3	5
151222xxx	ENGINEERING GRAPHICS	1	2	2	2
151222xxx	LINEAR ALGEBRA	3	0	3	3
151222198	PHYSICS II	3	0	3	3
151222199	PHYSICS II LAB	0	2	1	2
151222xxx	TECHNICAL WRITING	3	0	3	3
151222182	TÜRK DİLİ II	2	0	0	2
	SOSYAL SEÇMELİ II -- (SOCIAL ELECTIVE II)	2	0	2	3
3. YARIYIL	2. SINIF GÜZ	17	2	18	29
151223562	DIFFERENTIAL EQUATIONS	4	0	4	7
151223xxx	CIRCUIT ANALYSIS I	4	0	4	7
151223556	CIRCUITS LABORATORY	0	2	1	2
151223563	ELECTROMAGNETIC FIELDS	3	0	3	5
151223564	NUMERICAL METHODS	3	0	3	5
	ALAN DIŐI SEÇMELİ (Non-Technical Elective)	3	0	3	3
4. YARIYIL	2. SINIF BAHAR	19	2	20	31
151224xxx	CIRCUIT ANALYSIS II	4	0	4	7
151224559	LOGIC DESIGN	4	0	4	7
151224298	DIGITAL SYSTEMS LAB	0	2	1	2
151224560	ELECTROMAGNETIC WAVES	3	0	3	5
151224299	SIGNALS AND SYSTEMS	3	0	3	5
151224561	FUN. OF OCCUP. HEALTH & SAFETY	2	0	2	2
	ALAN DIŐI SEÇMELİ (Non-Technical Elective)	3	0	3	3
5. YARIYIL	3. SINIF GÜZ	17	4	19	30
151225xxx	ELECTRONICS I	3	0	3	6
151226357	ELECTRONICS LABORATORY	0	2	1	2
151225xxx	DIGITAL SIGNAL PROCESSING	3	0	3	6
151225405	INTRODUCTION TO MICROCOMPUTERS	3	0	3	5
151225406	MICROCOMPUTER LABORATORY	0	2	1	2
151225394	PROBABILITY	3	0	3	4
151225xxx	ECONOMICS	3	0	3	3
151225410	OCCUP. HEALTH & SAFETY IN EEE	2	0	2	2
6. YARIYIL	3. SINIF BAHAR	14	4	16	30
151226xxx	COMMUNICATIONS	3	0	3	6
151226367	COMMUNICATIONS LABORATORY	0	2	1	2
151226xxx	ELECTRONICS II	3	0	3	6
151226xxx	FUNDAMENTALS OF CONTROL SYSTEMS	3	0	3	6
151226364	CONTROL SYSTEMS LABORATORY	0	2	1	2
151226375	PRINCIPLES OF ENERGY CONVERSION	3	0	3	5
151226376	INTRODUCTION TO PROJECT MANAGEMENT	2	0	2	3

7. YARIYIL	4. SINIF GÜZ	13	6	16	30
151227644	DESIGN PROCESSES	1	2	2	3
	ALAN DIŐI SEÇMELİ (Non-Technical Elective)	3	0	3	3
	ALAN İÇİ SEÇMELİ (Technical Elective)	3	0	3	5
	ALAN İÇİ SEÇMELİ (Technical Elective)	3	2	4	7
	ALAN İÇİ SEÇMELİ (Technical Elective)	3	2	4	7
	Practical Training	0	0	0	5

8. YARIYIL	4. SINIF BAHAR	13	8	17	30
	TASARIM SEÇMELİ (ELECTRICAL ENGINEERING DESIGN ELECTIVE)	2	4	4	9
151228548	THE ENGINEER AND SOCIETY	2	0	2	2
	ALAN İÇİ SEÇMELİ (Technical Elective)	3	0	3	5
	ALAN İÇİ SEÇMELİ (Technical Elective)	3	2	4	7
	ALAN İÇİ SEÇMELİ (Technical Elective)	3	2	4	7

Mezuniyet için Gerekli Ders Yeterlilikleri:	AKTS
ZORUNLU DERSLER -- Core Courses:	178
SOSYAL SEÇMELİ I-II--Social Elective I-II	6
ALAN DIŐI SEÇMELİ DERSLER -- Nontechnical Elective:	9
ALAN İÇİ SEÇMELİ DERSLER -- Technical Elective:	38
TASARIM SEÇMELİ DERSLER -- Electrical Engineering Design:	9
Toplam:	240

SOSYAL SEÇMELİ I DERSLERİ -- SOCIAL ELECTIVES I

Ders Kodu	Ders Adı	T	U	Krd	AKTS
151221XXX	CUTTING EDGE RESEARCH I	2	0	2	3
151221XXX	STUDY SKILLS	2	0	2	3
151221XXX	HISTORY OF SPORTS I	2	0	2	3
151221XXX	HISTORY OF MODERN SOCIETIES AND ART	2	0	2	3

SOSYAL SEÇMELİ II DERSLERİ -- SOCIAL ELECTIVES II

Ders Kodu	Ders Adı	T	U	Krd	AKTS
151222XXX	CUTTING EDGE RESEARCH II	2	0	2	3
151222XXX	HISTORY OF ENGINEERING	2	0	2	3
151222XXX	HISTORY OF SPORTS II	2	0	2	3

ALAN DIŐI SEÇMELİ DERSLER -- NON-TECHNICAL ELECTIVES

Ders Kodu	Ders Adı	T	U	Krd	AKTS
151223xxx	BEGINNING FRENCH I	3	0	3	3
151223xxx	CURRENT ISSUES IN ENGLISH I	3	0	3	3
151223xxx	GERMAN I	3	0	3	3
151223xxx	INTRODUCTION TO BAĞLAMA	3	0	3	3
151223xxx	THE SHORT STORY	3	0	3	3
151224xxx	BEGINNING FRENCH II	3	0	3	3
151224xxx	CURRENT ISSUES IN ENGLISH II	3	0	3	3
151224xxx	GERMAN II	3	0	3	3
151224xxx	TURKISH FOLK TUNES WITH BAĞLAMA	3	0	3	3
151225xxx	COMMUNICATION VIA PRINTED MEDIA	3	0	3	3
151225xxx	INTRODUCTION TO FINANCIAL MARKETS	3	0	3	3
151227xxx	ADVANCED GRAMMAR	3	0	3	3
151227xxx	COMMUNICATION VIA ELECTRONIC MEDIA	3	0	3	3
151227xxx	ORAL COMMUNICATION	3	0	3	3
151227xxx	INTRODUCTION TO 3D MODELING & ANIMATION	3	3	3	3

ALAN İÇİ SEÇMELİ DERSLER -- TECHNICAL ELECTIVES

Ders Kodu	Ders Adı	T	U	Krd	AKTS
Technical Electives (3+0)					
151228421	NONLINEAR CONTROL SYSTEMS	3	0	3	5
151228543	SATELLITE COMMUNICATION SYSTEMS	3	0	3	5
151227648	ELECTRICAL DISTRIBUTION SYSTEMS	3	0	3	5
151227453	ELECTRICAL MACHINERY	3	0	3	5
151228523	HIGH VOLTAGE TECHNIQUES	3	0	3	5
151228402	INNER ELECTRICAL INSTALLATION APPLICATIONS	3	0	3	5

151227522	INTRO. TO IMAGE PROCESSING	3	0	3	5
151227455	INTRO. TO POWER ELECTRONICS	3	0	3	5
151228516	POWER ELECTRONICS APPLICATIONS	3	0	3	5
151227457	POWER SYSTEM ANALYSIS I	3	0	3	5
151228492	POWER SYSTEM ANALYSIS II	3	0	3	5
151227451	SEMICONDUCTOR DEVICES	3	0	3	5
151227006	NETWORK APPLICATIONS	3	0	3	5
151227520	VEHICLE CONTROL SYSTEMS	3	0	3	5
151227645	FUNDAMENTALS OF LIGHTING AND ELECTRICAL INSTALLATION	3	0	3	5
151227647	ENERGY TRANSMISSION LINES	3	0	3	5
151228521	WIRELESS COMMUNICATIONS	3	0	3	5
151228621	OPTIMIZATION METHODS FOR ENGINEERING APPLICATIONS	3	0	3	5

Technical Electives (3+2)

151228544	DSP SYSTEM DESIGN	3	2	4	7
151227637	LINEAR CONTROL SYSTEMS	3	2	4	7
151227635	COMMUNICATION ELECTRONICS	3	2	4	7
151228545	FUZZY LOGIC	3	2	4	7
151227636	DIGITAL COMMUNICATIONS	3	2	4	7
151228546	DIGITAL CONTROL SYSTEMS	3	2	4	7
151227642	INTRO. TO. MECHATRONICS	3	2	4	7
151227634	INTRO. TO. VHDL-FPGA	3	2	4	7
151227638	MICROCONTROLLERS	3	2	4	7
151228547	PLC AUTOMATION SYSTEMS	3	2	4	7
151227633	MICROWAVE TECHNIQUES	3	2	4	7
151228549	ELECTRICAL MACHINERY	3	2	4	7
151227441	ADVANCED PROGRAMMING	3	2	4	7
151228550	INTRODUCTION TO POWER ELECTRONICS	3	2	4	7
151228551	INTRODUCTION TO EMBEDDED SYSTEMS	3	2	4	7
151228552	ANTENNA THEORY	3	2	4	7
151228619	OBJECT ORIENTED PROGRAMMING I	3	2	4	7
151228620	OBJECT ORIENTED PROGRAMMING II	3	2	4	7

TASARIM SEÇMELİ DERSLER -- ELECTRICAL ENGINEERING DESIGN ELECTIVES

Ders Kodu	Ders Adı	T	U	Krd	AKTS
151228xxx	ANTENNA DESIGN	2	4	4	9
151228xxx	ENGINEERING DESIGN WITH DSP	2	4	4	9
151228xxx	ELECTRICAL DESIGN IN RAIL SYSTEMS	2	4	4	9
151228xxx	CONTROL SYSTEMS DESIGN	2	4	4	9
151228xxx	BIOMEDICAL DESIGN	2	4	4	9
151228xxx	ENGINEERING DESIGN WITH COMPUTER VISION	2	4	4	9
151228xxx	ROBOTICS DESIGN	2	4	4	9
151228xxx	HYBRID SYSTEMS DESIGN	2	4	4	9
151228xxx	ENGINEERING DESIGN WITH FPGA	2	4	4	9
151228xxx	DESIGN WITH ROBOT MANIPULATOR	2	4	4	9
151228xxx	DESIGN WITH MOBILE ROBOTS	2	4	4	9
151228xxx	ELECTRICAL MACHINERY DESIGN	2	4	4	9
151228xxx	ENGINEERING DESIGN WITH FUZZY LOGIC	2	4	4	9
151228xxx	WAVEGUIDE DESIGN	2	4	4	9
151228xxx	ELECTROMAGNETIC SYSTEM DESIGN	2	4	4	9
151228xxx	POWER SYSTEMS DESIGN	2	4	4	9
151228xxx	MICROPROCESSOR BASED DESIGN	2	4	4	9
151228xxx	ENGINEERING DESIGN WITH ARTIFICIAL INTELLIGENCE	2	4	4	9