

2024-2025 EĞİTİM - ÖĞRETİM YILI FEN BİLİMLERİ ENSTİTÜSÜ / ENERJİ SİSTEMLERİ MÜHENDİSLİĞİ (Y.L. İNGİLİZCE) EĞİTİM PLANI

SINIF: 1 DÖNEM: GÜZ		Kısaltmalar: PSDS: Paketten Seçilecek Ders Sayısı PSKM: Paketten Seçilecek Kredi Miktarı								
Ders Kodu	Ders Adı (Türkçe)	Müf.No	T	P	K	AKTS	Tip	Op.	PSDS	PSKM
ESE 501	MATHEMATICS METHODS IN ENGINEERING I	2024	3	0	7.5	7.5	Z			
ESE 537	SCIENTIFIC RESEARCH METHODS AND PUBLISHING	2024	3	0	7.5	7.5	Z			
ESE 721	THESIS CONSULTANCY I	2024	0	1	2	2	Z			
ESE 503	ADVANCED HEAT TRANSFER	2024	3	0	7.5	7.5	S			
ESE 505	ADVANCED THERMODYNAMICS	2024	3	0	7.5	7.5	S			
ESE 507	ADVANCED FLUID MECHANICS	2024	3	0	7.5	7.5	S			
ESE 509	NUCLEAR ENERGY ENGINEERING	2024	3	0	7.5	7.5	S			
ESE 511	ENERGY, ENVIRONMENT AND LAW	2024	3	0	7.5	7.5	S			
ESE 513	BASICS OF ENERGY PRODUCTION	2024	3	0	7.5	7.5	S			
ESE 515	ADVANCED SOLAR ENERGY SYSTEMS	2024	3	0	7.5	7.5	S			
ESE 517	BIOMASS AND TRANSFORMATION TECHNOLOGIES	2024	3	0	7.5	7.5	S			
ESE 519	HYDROGEN ENERGY TECHNOLOGIES	2024	3	0	7.5	7.5	S			
ESE 521	ADVANCED ELECTROCHEMICAL ENERGY CONVERSION	2024	3	0	7.5	7.5	S			
ESE 523	NATURAL GAS SYSTEMS	2024	3	0	7.5	7.5	S			
ESE 525	ADVANCED GEOTHERMAL ENERGY SYSTEMS	2024	3	0	7.5	7.5	S			
ESE 527	MODELLING AND SIMULATION OF ENGINEERING	2024	3	0	7.5	7.5	S			
ESE 529	SPECIAL ELECTRIC MACHINES	2024	3	0	7.5	7.5	S			
ESE 531	PIEZOELECTRIC SYSTEMS AND APPLICATIONS	2024	3	0	7.5	7.5	S			
ESE 533	INTRODUCTION TO ELECTRICITY MARKETS	2024	3	0	7.5	7.5	S			
ESE 535	MACHINE LEARNING FOR ENERGY SYSTEMS	2024	3	0	7.5	7.5	S			
KREDİ TOPLAMI					144.	144.5			144.5	
SINIF: 1 DÖNEM: BAHAR		Kısaltmalar: PSDS: Paketten Seçilecek Ders Sayısı PSKM: Paketten Seçilecek Kredi Miktarı								
Ders Kodu	Ders Adı (Türkçe)	Müf.No	T	P	K	AKTS	Tip	Op.	PSDS	PSKM
ESE 500	SEMINAR	2024	0	2	4	4	Z			
ESE 722	THESIS CONSULTANCY II	2024	0	1	2	2	Z			
ESE 502	ADVANCED ENERGY STORAGE SYSTEMS	2024	3	0	7.5	7.5	S			
ESE 504	WIND ENERGY TRANSFORMATION SYSTEMS	2024	3	0	7.5	7.5	S			
ESE 506	ADVANCED ENERGY EFFICIENCY APPLICATIONS	2024	3	0	7.5	7.5	S			
ESE 508	NUCLEAR FUEL AND WASTE MANAGEMENT	2024	3	0	7.5	7.5	S			
ESE 510	COMPUTATIONAL FLUID DYNAMICS AND HEAT TRANSFER	2024	3	0	7.5	7.5	S			
ESE 512	PEM TYPE FUEL CELL TECHNOLOGY	2024	3	0	7.5	7.5	S			
ESE 514	ADVANCED HYDROELECTRICAL ENERGY	2024	3	0	7.5	7.5	S			
ESE 516	COMBUSTION AND AIR POLLUTION	2024	3	0	7.5	7.5	S			
ESE 518	ADVANCED NUMERICAL METHODS IN NUCLEAR	2024	3	0	7.5	7.5	S			
ESE 520	ADVANCED NUMERICAL METHODS IN ENGINEERING	2024	3	0	7.5	7.5	S			
ESE 522	DESING AND SIMULATION OF CONTROL SYSTEMS	2024	3	0	7.5	7.5	S			
ESE 524	INDUSTRIAL AUTOMATION SYSTEMS AND APPLICATIONS	2024	3	0	7.5	7.5	S			
ESE 526	DYNAMICS OF ASYNCHRONOUS MACHINERY	2024	3	0	7.5	7.5	S			
ESE 528	ADVANCED ENERGY MATERIALS	2024	3	0	7.5	7.5	S			
KREDİ TOPLAMI					111	255.5			255.5	
SINIF: 2 DÖNEM: GÜZ		Kısaltmalar: PSDS: Paketten Seçilecek Ders Sayısı PSKM: Paketten Seçilecek Kredi Miktarı								
Ders Kodu	Ders Adı (Türkçe)	Müf.No	T	P	K	AKTS	Tip	Op.	PSDS	PSKM
ESE 711	THESIS STUDIES I	2023	0	1	25	25	Z			
ESE 751	SPECIAL FIELD COURSE I	2023	4	0	5	5	Z			
KREDİ TOPLAMI					30	285.5			285.5	
SINIF: 2 DÖNEM: BAHAR		Kısaltmalar: PSDS: Paketten Seçilecek Ders Sayısı PSKM: Paketten Seçilecek Kredi Miktarı								
Ders Kodu	Ders Adı (Türkçe)	Müf.No	T	P	K	AKTS	Tip	Op.	PSDS	PSKM
ESE 712	THESIS STUDIES II	2023	0	1	25	25	Z			

ESE 752	SPECIAL FIELD COURSE II	2023	4	0	5	5	Z	
KREDİ TOPLAMI								30 / 315.5
								315.5