

İSTANBUL TİCARET ÜNİVERSİTESİ  
MÜHENDİSLİK FAKÜLTESİ  
MEKATRONİK MÜHENDİSLİĞİ BÖLÜMÜ  
ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ İÇİN ÇİFT ANADAL DERS MÜFREDATI

Ders Kodu	1. Yıl / 1. Yarıyıl	T	U	Kredi	AKTS	Başarı Durumu	Eşdeğer Ders	Ders Kodu	1. Yıl / 2. Yarıyıl	T	U	Kredi	AKTS	Başarı Durumu	Eşdeğer Ders
LNG101	General English 1	2	0	2	2	Notlu Muaf	General English 1	LNG102	General English 2	2	0	2	2	Notlu Muaf	General English 2
GNL105	Türk Dili 1	2	0	2	2	Notlu Muaf	Türk Dili 1	GNL106	Türk Dili 2	2	0	2	2	Notlu Muaf	Türk Dili 2
FEF111	Physics 1	3	0	3	4	Notlu Muaf	Physics 1	FEF112	Physics 2	3	0	3	4	Notlu Muaf	Physics 2
FEF121	Physics Lab. 1	0	2	1	3	Notlu Muaf	Physics Lab. 1	FEF122	Physics Lab. 2	0	2	1	3	Notlu Muaf	Physics Lab. 2
BIL131	Programming 1	2	2	3	7	Notlu Muaf	Programming 1	MAT122	Mathematical Analysis 2	4	0	4	7	Notlu Muaf	Mathematical Analysis 2
MAT121	Mathematical Analysis 1	4	0	4	7	Notlu Muaf	Mathematical Analysis 1	BIL132	Programming 2	2	2	3	4	Notlu Muaf	Programming 2
MEE113	Introduction to Mechatronics Engineering	2	0	2	5	Sorumlu		ENG126	Engineering Mathematics 1	3	0	3	5	Notlu Muaf	Engineering Mathematics 1
<b>Toplam Kredi</b>		<b>17</b>		<b>30</b>				CEH101	General Chemistry	2	1	2,5	3	Notlu Muaf	General Chemistry
								<b>Toplam Kredi</b>				<b>20,5</b>	<b>30</b>		
Ders Kodu	2. Yıl / 3. Yarıyıl	T	U	Kredi	AKTS	Durum		Ders Kodu	2. Yıl / 4. Yarıyıl	T	U	Kredi	AKTS	Durum	
GNL101	Atatürk İlkeleri ve İnkılap Tarihi 1	2	0	2	2	Notlu Muaf	Atatürk İlkeleri ve İnkılap Tarihi 1	GNL102	Atatürk İlkeleri ve İnkılap Tarihi 2	2	0	2	2	Notlu Muaf	Atatürk İlkeleri ve İnkılap Tarihi 2
EEE223	Electronic Circuits	3	1	3,5	6	Notlu Muaf	Electronic Circuits	MEE216	Measurement and Instrumentation	3	0	3	5	Sorumlu	
MEE217	Material and Manufacturing Technologies	3	0	3	5	Sorumlu		MEE242	Dynamics	3	0	3	5	Sorumlu	
MEE231	Strength of Materials	3	0	3	5	Sorumlu		MEE240	Machine Elements	4	0	4	6	Sorumlu	
MEE207	Thermodynamics	3	0	3	5	Sorumlu		ENG102	Technical Drawing	2	2	3	5	Sorumlu	
ENG227	Engineering Mathematics 2	3	0	3	5	Notlu Muaf	Engineering Mathematics 2	ENG211	Numeric Analysis	3	0	3	5	Notlu Muaf	Numeric Analysis
	Üniversite Seçmeli I	3	0	3	2	Notlu Muaf	Üniversite Seçmeli I		Üniversite Seçmeli II	3	0	3	2	Notlu Muaf	Üniversite Seçmeli II
<b>Toplam Kredi</b>		<b>20,5</b>		<b>30</b>				<b>Toplam Kredi</b>		<b>21</b>		<b>30</b>			
								GNL301	Summer Internship 1	0	0	0	5	Notlu Muaf	ENG301 Summer Internship 1
Ders Kodu	3. Yıl / 5. Yarıyıl	T	U	Kredi	AKTS	Durum		Ders Kodu	3. Yıl / 6. Yarıyıl	T	U	Kredi	AKTS	Durum	
MEE321	Modeling and Simulation	3	0	3	5	Sorumlu		EEL306	Microprocessor Based Systems	3	0	3	5	Notlu Muaf	Microprocessor Based Systems
MEE343	Fluid Mechanics	3	0	3	5	Sorumlu		ENM424	Engineering Optimization	3	0	3	5	Sorumlu	
MEE446	Machine Learning	3	0	3	5	Sorumlu		MEE322	Control System Design	3	0	3	5	Sorumlu	
MEE349	Mechatronics System Design 1	3	0	3	5	Sorumlu		MEE332	Industrial Automation	3	0	3	5	Sorumlu	
	Seçmeli/Elective 1	3	0	3	5	Notlu Muaf	ENG231 Prob. Methods in Eng		Seçmeli/Elective 3	3	0	3	5	Notlu Muaf	EEE304 Electrical Machines
	Seçmeli/Elective 2	3	0	3	5	Notlu Muaf	ENG203 Logic Circuits		Seçmeli/Elective 4	3	0	3	5	Notlu Muaf	EEE336 Power Electronics
<b>Toplam Kredi</b>		<b>18</b>		<b>30</b>				<b>Toplam Kredi</b>		<b>18</b>		<b>30</b>			
								GNL302	Summer Internship 2	0	0	0	5	Notlu Muaf	ENG302 Summer Internship 2
Ders Kodu	4. Yıl / 7. Yarıyıl	T	U	Kredi	AKTS	Durum		Ders Kodu	4. Yıl / 8. Yarıyıl	T	U	Kredi	AKTS	Durum	
MEE441	Robotics	3	0	3	6	Sorumlu		EEE336	Power Electronics	3	0	3	5	Muaf	Power Electronics
ENG401	Design Project	0	4	2	9	Sorumlu		ENG402	Graduation Project	0	4	2	9	Sorumlu	
MEE449	Mechatronics System Design 2	3	0	3	5	Sorumlu		MEE444	Machine Dynamics and Vibrations	3	0	3	6	Sorumlu	
	Seçmeli/Elective 5	3	0	3	5	Notlu Muaf	EEE300 Electromech Energy Conv	GNL450	Career Planning	2	0	2	0	Notlu Muaf	Career Planning
	Seçmeli/Elective 6	3	0	3	5	Sorumlu			Seçmeli/Elective 7	3	0	3	5	Sorumlu	
<b>Toplam Kredi</b>		<b>14</b>		<b>30</b>				<b>Toplam Kredi</b>		<b>16</b>		<b>30</b>			
<b>Toplam AKTS Kredisi= 240</b>															

Dr. M. A.

H. S. H. A. B. A. F. U. C. H. H. S. A. B. E. H.

SEÇMELİ DERSLER						
Ders Kodu	2. Yıl / 3. Yarıyıl	T	U	Kredi	AKTS	Lisan
GNL112	Bir Kültür Şehri: İstanbul	3	0	3	2	TR
GNL114	Medeniyet ve Toplum	3	0	3	2	TR
GNL215	İşaret Dili	3	0	3	2	TR
GNL310	Ticaret Yönetimi	3	0	3	2	TR
GNL311	Ticaret Uygulamaları	3	0	3	2	TR
GNL314	Osmanlı Türkçesi	3	0	3	2	TR
GNL316	Bilim Tarihi ve Felsefesi	3	0	3	2	TR
GNL327	Katılım Bankacılığı ve İslami Finans	3	0	3	2	TR
GNL328	Gönüllülük Çalışmaları	3	0	3	2	TR
GNL329	Gelecek Bilimine Bakış	3	0	3	2	TR
GNL330	İnsan Hakları Hukuku /Human Rights Law	3	0	3	2	TR
LNG122	Additional Foreign Language: German 2	3	0	3	2	Almanca
LNG132	Additional Foreign Language: French 2	3	0	3	2	Fransızca
LNG142	Additional Foreign Language: Spanish 2	3	0	3	2	İspanyolca
LNG152	Additional Foreign Language: Russian 2	3	0	3	2	Rusça
LNG172	Additional Foreign Language: Japanese 2	3	0	3	2	Japonca
LNG182	Additional Foreign Language: Chinese 2	3	0	3	2	Çince
LNG192	Additional Foreign Language: Italian 2	3	0	3	2	İtalyanca
LNG202	Additional Foreign Language: Persian 2	3	0	3	2	Farsça
LNG203	Additional Foreign Language: Arabic 2	3	0	3	2	Arapça
LNG204	Bosnian 2, Croatian 2, Serbian 2	3	0	3	2	Bosnaçka

SEÇMELİ DERSLER						
Ders Kodu	2. Yıl / 4. Yarıyıl	T	U	Kredi	AKTS	Lisan
GNL112	Bir Kültür Şehri: İstanbul	3	0	3	2	TR
GNL114	Medeniyet ve Toplum	3	0	3	2	TR
GNL215	İşaret Dili	3	0	3	2	TR
GNL310	Ticaret Yönetimi	3	0	3	2	TR
GNL311	Ticaret Uygulamaları	3	0	3	2	TR
GNL314	Osmanlı Türkçesi	3	0	3	2	TR
GNL316	Bilim Tarihi ve Felsefesi	3	0	3	2	TR
GNL327	Katılım Bankacılığı ve İslami Finans	3	0	3	2	TR
GNL328	Gönüllülük Çalışmaları	3	0	3	2	TR
GNL329	Gelecek Bilimine Bakış	3	0	3	2	TR
GNL330	İnsan Hakları Hukuku	3	0	3	2	TR
LNG122	Additional Foreign Language: German 2	3	0	3	2	Almanca
LNG132	Additional Foreign Language: French 2	3	0	3	2	Fransızca
LNG142	Additional Foreign Language: Spanish 2	3	0	3	2	İspanyolca
LNG152	Additional Foreign Language: Russian 2	3	0	3	2	Rusça
LNG172	Additional Foreign Language: Japanese 2	3	0	3	2	Japonca
LNG182	Additional Foreign Language: Chinese 2	3	0	3	2	Çince
LNG192	Additional Foreign Language: Italian 2	3	0	3	2	İtalyanca
LNG202	Additional Foreign Language: Persian 2	3	0	3	2	Farsça
LNG203	Additional Foreign Language: Arabic 2	3	0	3	2	Arapça
LNG204	Bosnian 2, Croatian 2, Serbian 2	3	0	3	2	Bosnaçka

SEÇMELİ DERSLER						
Ders Kodu	3. Yıl / 5. Yarıyıl	T	U	Kredi	AKTS	Lisan
EEE203	Logic Circuits	3	0	3	5	En
EEE325	Signal Processing	3	0	3	5	En
ENG231	Probabilistic Methods in Engineering	3	0	3	5	En
BIL452	Artificial Intelligence	3	0	3	5	En
BIL441	Computer Networks	3	0	3	5	En
EEE300	Electromechanical Energy Conversion	3	0	3	5	En
EEE321	Communication Theory	3	0	3	5	En

SEÇMELİ DERSLER						
Ders Kodu	3. Yıl / 6. Yarıyıl	T	U	Kredi	AKTS	Lisan
MEE348	Heat and Mass Transfer	3	0	3	5	En
FNG212	Engineering Economics	3	0	3	5	En
BIL234	Programming Languages	3	0	3	5	En
BIL352	Computer Architecture	3	0	3	5	En
BIL462	Artificial Neural Networks	3	0	3	5	En
ENM346	Computer Integrated Manufacturing	3	0	3	5	En
EEE328	Digital Signal Processing	3	0	3	5	En
MEE455	Composite Materials	3	0	3	5	En

SEÇMELİ DERSLER						
Ders Kodu	4. Yıl / 7. Yarıyıl	T	U	Kredi	AKTS	Lisan
EEE323	High Voltage Techniques	3	0	3	5	En
EEE407	Electrical Power Generation and	3	0	3	5	En
EEE417	Biomedical Signals	3	0	3	5	En
EEE427	Introduction to Modulation and	3	0	3	5	En
EEE403	Active Filter Design	3	0	3	5	En
EEE425	Electrical Machine Drives	3	0	3	5	En
EEE457	Introduction to Cryptography	3	0	3	5	En
BIL459	Computer Arithmetic	3	0	3	5	En
MEE421	Heating Ventilating and Air Con	3	0	3	5	En
EEE451	Digital Image Processing	3	0	3	5	En
MEE413	Electro-Mechanical Systems	3	0	3	5	En
MEF456	Aircraft Indicator Systems 1	3	0	3	5	En
BIL233	Object Oriented Programming	3	0	3	5	En
BIL317	Discrete Mathematics	3	0	3	5	En
EEE305	FPGA Based System Design	3	0	3	5	En
MEE411	Digital Control	3	0	3	5	En
EEE411	Energy Distribution Systems	3	0	3	5	En
MEE454	Finite Element Methods	3	0	3	5	En
MEE453	Aircraft GasTurbine Engine Theory	3	0	3	5	En
HUK112	İş Hukuku/Business Law	3	0	3	5	En
ENG307	Entrepreneurship and Project Design 1	3	0	3	5	En
MEE422	Deep Learning Applications	3	0	3	5	En
ENG405	Engineering Philosophy	3	0	3	5	En

SEÇMELİ DERSLER						
Ders Kodu	4. Yıl / 8. Yarıyıl	T	U	Kredi	AKTS	Lisan
MEE445	Metaheuristic Algorithms	3	0	3	5	En
MEE448	Computer Aided Analysis	3	0	3	5	En
EEE422	Design of Electrical Machines	3	0	3	5	En
EEE432	Process Control	3	0	3	5	En
EEE438	Industrial Electronics	3	0	3	5	En
EEE442	Medical Imaging	3	0	3	5	En
EEE446	Telecommunication Electronics	3	0	3	5	En
EEE456	Satellite Communications	3	0	3	5	En
EEE454	Cryptographic Applications	3	0	3	5	En
BIL321	Data Communications	3	0	3	5	En
MAT316	Number Theory	3	0	3	5	En
EEE419	Fundamentals of Biomedical Engineering	3	0	3	5	En
ENG308	Entrepreneurship and Project Design 2	3	0	3	5	En
MEE451	Design for Manufac. and PLM Application	3	0	3	5	En
MEE450	Systems of Modern Gas Turbine Engines	3	0	3	5	En
MEE452	Flight Controls	3	0	3	5	En

Müfredat Komisyonu

Prof. Dr. Abdülkerim Kar

Dr. Öğr. Üyesi Alper Özpınar

Dr. Öğr. Üyesi Muhammet Ceylan

*(Handwritten signatures and initials of the committee members)*