

2025-2026 AKADEMİK
YILI / Academic Year

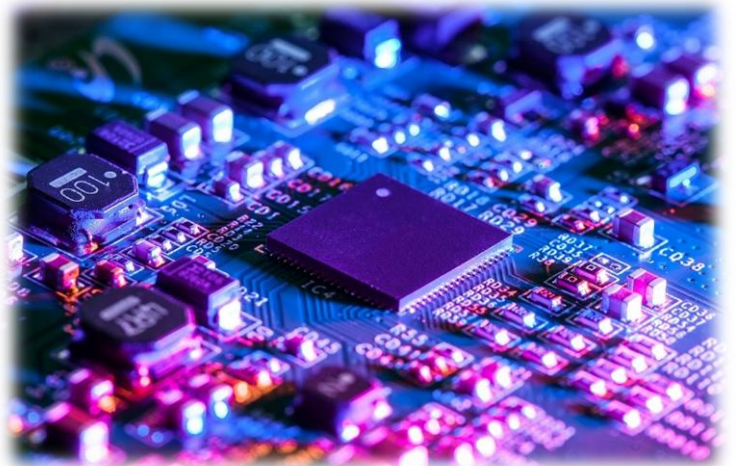
EĞİTİMDE KALİTE GÜVENCESİ YILLIK RAPORU

*QUALITY ASSURANCE IN
EDUCATION ANNUAL REPORT*

MÜHENDİSLİK FAKÜLTESİ
FACULTY OF ENGINEERING

ELEKTRİK - ELEKTRONİK MÜHENDİSLİĞİ
LİSANS PROGRAMI (EE)

*ELECTRICAL - ELECTRONICS ENGINEERING
UNDERGRADUATE PROGRAM (EE)*



İÇİNDEKİLER / CONTENTS

1. BÖLÜM HAKKINDA / ABOUT THE DEPARTMENT	2
1.1. EĞİTİM AMAÇLARI / EDUCATIONAL OBJECTIVES.....	2
1.1.1. DANIŞMA KURULU / ADVISORY BOARD	2
1.2. LİSANS PROGRAMI / UNDERGRADUATE PROGRAM.....	4
1.2.1. MÜFREDAT / CURRICULUM	4
1.2.2. DERSLERİN DAĞILIMI / DISTRIBUTION COURSES	6
1.3. ÖĞRENCİLER / STUDENTS.....	7
1.3.1. ÖĞRENCİ SAYILARI / NUMBER OF STUDENTS.....	7
1.3.2. YABANCI ÖĞRENCİ SAYILARI / NUMBER OF FOREIGN STUDENTS	7
1.4. ÖĞRETİM ELEMANLARI / FACULTY MEMBERS	8
1.4.1. ÖĞRETİM ELEMANI SAYILARI / NUMBER OF FACULTY MEMBERS.....	8
1.4.2. ÖĞRETİM ELEMANLARININ LİSTESİ / LIST OF FACULTY MEMBERS.....	9
1.5. EĞİTİMDE KALİTE KOMİTESİ / COMMITTEE OF QUALITY IN EDUCATION	10
2. TÜRKİYE YÜKSEKÖĞRETİM YETERLİLİKLER ÇERÇEVESİ - ULUSAL YETERLİLİKLER / TURKISH HIGHER EDUCATION QUALIFICATIONS FRAMEWORK - NATIONAL QUALIFICATIONS	11
3. PROGRAM ÇIKTILARI / PROGRAM OUTCOMES.....	12
3.1. PROGRAM ÇIKTILARININ LİSTESİ / LIST OF PROGRAM OUTCOMES	12
3.2. ULUSAL YETERLİLİKLER İLE PROGRAM ÇIKTILARI BAĞLANTI TABLOSU / NATIONAL QUALIFICATIONS AND PROGRAM OUTCOMES CONNECTION TABLE	13
4. DERSLER / COURSES	14
4.1. PROGRAM ÇIKTILARI - DERSLER TABLOSU / PROGRAM OUTCOMES - COURSES TABLE14	
4.2. PERFORMANS ÖLÇÜMÜNDE KULLANILAN METRİKLER / METRICS TO BE USED IN PERFORMANCE MEASUREMENT	15
4.2.1. PERFORMANS ÖLÇÜMLERİNDE KULLANILAN DEĞERLENDİRME METOTLARI // EVALUATION METHODS USED IN PERFORMANCE MEASUREMENTS ...	15
4.2.2. PERFORMANS ÖLÇÜMLERİNDE KULLANILAN METOTLAR VE PERFORMANS SONUÇ DETAYLARI / METHODS USED IN PERFORMANCE MEASUREMENTS AND PERFORMANCE RESULT DETAILS	29
4.3. PERFORMANS ÖLÇÜM SONUÇLARI / PERFORMANCE MEASUREMENT RESULTS	37
4.3.1. PROGRAM ÇIKTILARI PERFORMANS TABLOSU / PROGRAM OUTCOMES PERFORMANCE TABLE.....	37
4.3.2. PROGRAM ÇIKTILARI PERFORMANS ANALİZLERİ / PROGRAM OUTCOMES PERFORMANCE ANALYSIS	39
5. DEĞERLENDİRME / EVALUATION	41
5.1. PROGRAM ÇIKTILARI ÖLÇÜM SONUÇLARININ DEĞERLENDİRİLMESİ / EVALUATION OF PROGRAM OUTCOMES MEASUREMENT RESULTS	41
5.2. EĞİTİM AMAÇLARININ DEĞERLENDİRİLMESİ / EVALUATION OF EDUCATIONAL OBJECTIVES	41

MÜHENDİSLİK FAKÜLTESİ / FACULTY OF ENGINEERING
ELEKTRİK - ELEKTRONİK MÜHENDİSLİĞİ LİSANS
PROGRAMI - EE / ELECTRICAL - ELECTRONICS ENGINEERING
UNDERGRADUATE PROGRAM - EE

1. BÖLÜM HAKKINDA / ABOUT THE DEPARTMENT

1.1. EĞİTİM AMAÇLARI / EDUCATIONAL OBJECTIVES

- PEO1. BU-EEE (Bilkent Üniversitesi – Elektrik ve Elektronik Mühendisliği) mezunları, akademi, sanayi veya kamu kuruluşlarında ya da girişimci olarak başarılı kariyerlere sahip olacak ve BU-EEE'deki geniş eğitimleri ve eleştirel düşünme becerileri sayesinde programın desteklediği yetenekleri ile farklı alanlarda yenilikçi olacaklar. / *PEO1. BU-EEE (Bilkent University – Electrical and Electronics Engineering) graduates will have successful careers in academia, industry, or government organizations, or as entrepreneurs, and will become innovators in diverse fields based on their broad education at BU-EEE and the critical thinking abilities that the program fosters.*
- PEO2. BU-EEE mezunları mesleki gelişimlerini sürdürecektir, prestijli lisansüstü okullarda ileri dereceleri elde edecek ve meslektaşları arasında mesleki sorumluluk ve etik farkındalığı geliştireceklerdir. / *PEO2. BU-EEE graduates will continue professional development, pursue advanced degrees in prestigious graduate schools, and cultivate professional responsibility and ethical awareness among their colleagues.*
- PEO3. BU-EEE mezunları, gerçek dünyanın önemli sorunlarına çözümler sunacak, çok disiplinli ve kültürel açıdan çeşitli çalışma ortamlarında lider olacaklardır. / *PEO3. BU-EEE graduates will provide solutions to important real-world problems and become leaders in multidisciplinary and culturally diverse work environments.*

1.1.1. DANIŞMA KURULU / ADVISORY BOARD

- Dr. İlge Akkaya, Teknik Personel Üyesi, Open AI / *Dr. İlge Akkaya, Member of Technical Staff, Open AI*
- Prof. Dr. A. Aydın Alatan, Elektrik ve Elektronik Mühendisliği Öğretim Üyesi, ODTÜ / *Prof. Dr. A. Aydın Alatan, Faculty Member of Electrical and Electronics Engineering, METU*
- Selçuk Alparslan, Genel Müdür / ULAQ Global / *Selçuk Alparslan, President, ULAQ Global*
- Dr. Oğuzhan Atak, Kıdemli Dalga Şekli Tasarım Mühendisi, Aselsan / *Dr. Oğuzhan Atak, Senior Waveform Design Engineer, Aselsan*
- Dr. Belma Doğdaş, Kıdemli Baş Bilim İnsanı, Elephas / *Dr. Belma Doğdaş, Senior Principal Scientist, Elephas*
- Dr. Mustafa Eröz, Danışman Mühendis, Hughes Ağ Sistemleri / *Dr. Mustafa Eröz, Advisory Engineer, Hughes Network Systems*
- Dr. Ali Taha Koç, Genel Müdür, Turkcell / *Dr. Ali Taha Koç, General Manager, Turkcell*
- Dr. Defne Küçükyavuz, Kıdemli Baş Tasarım Mühendisi, Aselsan / *Dr. Defne Küçükyavuz, Senior Lead Design Engineer, Aselsan*
- Dr. Emre Oğuz, Şef Teknoloji Sorumlusu, VoltasBeko / *Dr. Emre Oğuz, Chief Technology Officer, VoltasBeko*

- Prof. Dr. Şennur Ulukuş, Elektrik ve Bilgisayar Mühendisliği Öğretim Üyesi, University of Maryland / Prof. Dr. Şennur Ulukuş, Faculty Member of Electrical and Computer Engineering, University of Maryland
- Işıl Yalçın, Genel Müdür, Ericsson Türkiye / Işıl Yalçın, President, Ericsson Turkey
- Dr. İlkay Yıldız Potter, Baş Araştırmacı Bilim İnsanı, Biosensics / Dr. İlkay Yıldız Potter, Principal Research Scientist, Biosensics
- Dr. Ruhi Sarıkaya, Genel Müdür Yardımcısı, Amazon / Dr. Ruhi Sarıkaya, Vice President, Amazon
- Dr. Tayfun Aytaç, Müdür Yardımcısı, TÜBİTAK BİLGEM İLTAREN / Dr. Tayfun Aytaç, Deputy Director, TÜBİTAK BİLGEM İLTAREN
- Ertuğrul Kolağasıoğlu, Kurucu, Yönetim Kurulu Üyesi, Adhoc Teknoloji / Ertuğrul Kolağasıoğlu, Co-Founder, Board Member, Adhoc Teknoloji
- Elvan Kuzucu Hıdır, Yönetim Kurulu Başkanı, T3 Vakfı / Elvan Kuzucu Hıdır, Chairperson of the Board of Directors, T3 Foundation
- Dr. M. Fatih Erden, Gelişmiş Sistemler Tasarımcısı, Seagate / Dr. M. Fatih Erden, Advanced Systems Architect, Seagate
- Dr. Çağrı Göken, Teknik Takım Lideri, Aselsan / Dr. Çağrı Göken, Lead Of Technic Team
- Prof. Selçuk Köse, Öğretim Üyesi, University of Rochester / Prof. Selçuk Köse, Faculty Member, University of Rochester
- Zekeriya Şahin, Genel Müdür Yardımcısı, Aselsan / Zekeriya Şahin, Vice President, Aselsan
- Prof. Halim Yanıkömeroğlu, Öğretim Üyesi, Carleton University / Prof. Halim Yanıkömeroğlu, Faculty Member, Carleton University

1.2. LİSANS PROGRAMI / UNDERGRADUATE PROGRAM

1.2.1. MÜFREDAT / CURRICULUM

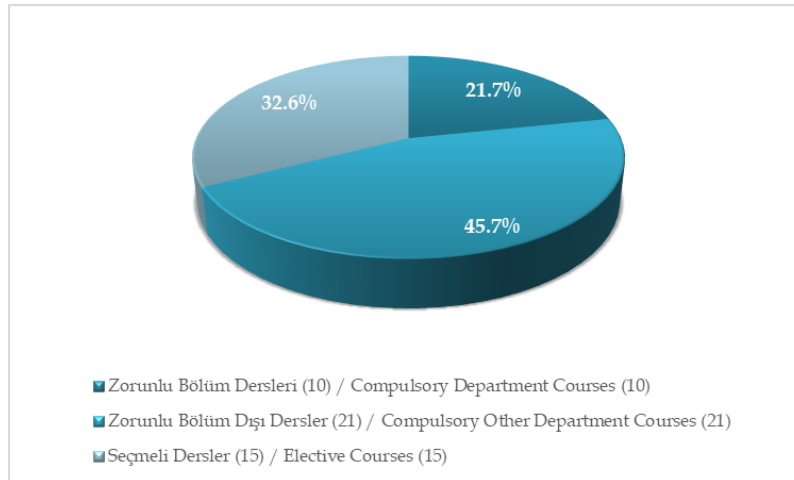
Birinci Yıl / First Year					
Güz Dönemi / Fall Semester					
Ders Kod / Course Code	Ders Adı / Course Name	Saatler / Hours		Kredi / Credits	
		Ders / Lecture	Lab / Stüdyo / Diğer / Lab / Studio / Others	Bilkent	ECTS
CS 115	Python ile Programlamaya Giriş / Introduction to Programming in Python	3	4	4	6,5
ENG 101	İngilizce ve Kompozisyon I / English and Composition I	5	0	3	5
GE 100	Üniversite Hayatına Giriş / Orientation	0	0	1	2
MATH 101	Matematik I / Calculus I	4	0	4	6,5
PHYS 101	Genel Fizik I / General Physics I	3	3	4	6,5
TURK 101	Türkçe I / Turkish I	0	0	2	3,5
Bahar Dönemi / Spring Semester					
Ders Kod / Course Code	Ders Adı / Course Name	Saatler / Hours		Kredi / Credits	
		Ders / Lecture	Lab / Stüdyo / Diğer / Lab / Studio / Others	Bilkent	ECTS
EEE 102	Sayısal Devre Tasarımı / Introduction to Digital Circuit Design	4	4	4	6,5
ENG 102	İngilizce ve Kompozisyon II / English and Composition II	5	0	3	5
MATH 102	Matematik II / Calculus II	4	0	4	6,5
PHYS 102	Genel Fizik II / General Physics II	3	3	4	6,5
TURK 102	Türkçe II / Turkish II	0	0	2	3,5

İkinci Yıl / Second Year					
Güz Dönemi / Fall Semester					
Ders Kod / Course Code	Ders Adı / Course Name	Saatler / Hours		Kredi / Credits	
		Ders / Lecture	Lab / Stüdyo / Diğer / Lab / Studio / Others	Bilkent	ECTS
EEE 211	Analog Elektronik / Analog Electronics	3	4	4	6,5
GE 250	Üniversite Etkinlik Programı I / Collegiate Activities Program I	0	0	0	1
HIST 200	Türkiye Tarihi / History of Turkey	3	0	4	6,5
HUM 111	Kültürler, Medeniyetler ve Düşünceler I / Collegiate Activities Program I	3	0	3	5
MATH 241	Mühendislik Matematiği I / Engineering Mathematics I	4	0	4	6,5
	Matematik veya Fen Seçmeli Dersi / Mathematics or Science Elective			3	
Bahar Dönemi / Spring Semester					
Ders Kod / Course Code	Ders Adı / Course Name	Saatler / Hours		Kredi / Credits	
		Ders / Lecture	Lab / Stüdyo / Diğer / Lab / Studio / Others	Bilkent	ECTS
EEE 202	Devre Teorisi / Circuit Theory	3	4	4	6,5
EEE 212	Mikroişlemciler / Microprocessors	3	4	4	6,5
ENG 401	Teknik Rapor Yazma ve Sunum / Technical Report Writing and Presentation	3	0	3	5
GE 251	Üniversite Etkinlik Programı II / Collegiate Activities Program II	0	0	1	2
HUM 112	Kültürler, Medeniyetler ve Düşünceler II / Cultures Civilizations and Ideas II	3	0	3	5
MATH 242	Mühendislik Matematiği II / Engineering Mathematics II	4	0	4	6,5

Üçüncü Yıl / Third Year					
Güz Dönemi / Fall Semester					
Ders Kod / Course Code	Ders Adı / Course Name	Saatler / Hours		Kredi / Credits	
		Ders / Lecture	Lab / Stüdyo / Diğer / Lab / Studio / Others	Bilkent	ECTS
EEE 299	Yaz Stajı I / Summer Training I	0	0	0	7
EEE 313	Elektronik Devre Tasarımı / Electronic Circuit Design	3	4	4	6,5
EEE 321	Sinyaller ve Sistemler / Signals and Systems	3	2	4	6,5
MATH 255	Olasılık ve İstatistik / Probability and Statistics	4	0	4	6,5
	Genel Seçmeli Ders / General Elective			3	
	Temel Sosyal Bilimler Seçmeli Dersi / Social Science Core Elective			3	
Bahar Dönemi / Spring Semester					
Ders Kod / Course Code	Ders Adı / Course Name	Saatler / Hours		Kredi / Credits	
		Ders / Lecture	Lab / Stüdyo / Diğer / Lab / Studio / Others	Bilkent	ECTS
EEE 342	Geri Beslemeli Kontrol Sistemleri / Feedback Control Systems	3	0	3	5
EEE 351	Mühendislik Elektromanyetiği / Engineering Electromagnetics	3	0	3	5
	Temel Sanat Seçmeli Dersi / Arts Core Elective			3	
	Temel Mühendislik Seçmeli Dersi / Basic Engineering Elective			3	
	Elektrik ve Elektronik Mühendisliği Seçmeli Dersi / EEE Elective			3	

Dördüncü Yıl/ Fourth Year					
Güz Dönemi/ Fall Semester					
Ders Kod/ Course Code	Ders Adı / Course Name	Saatler/ Hours		Kredi/ Credits	
		Ders / Lecture	Lab / Stüdyo/ Diğer / Lab/ Studio / Others	Bilkent	ECTS
EEE 399	Yaz Stajı II / Summer Training II	0	0	0	7
GE 301	Bilim, Teknoloji ve Toplum / Science Technology and Society	2	0	2	3,5
	Elektrik ve Elektronik Mühendisliği Seçmeli Dersi / EEE Elective			3	
	Elektrik ve Elektronik Mühendisliği Sınırlı Seçmeli Dersi / EEE Restricted Elective			3	
	Matematik veya Fen Seçmeli Dersi / Mathematics or Science Elective			3	
	Proje Seçmeli Dersi I / Project Elective I			3	
Bahar Dönemi/ Spring Semester					
Ders Kod/ Course Code	Ders Adı / Course Name	Saatler/ Hours		Kredi/ Credits	
		Ders / Lecture	Lab / Stüdyo/ Diğer / Lab/ Studio / Others	Bilkent	ECTS
GE 304	Teknoloji, Toplum ve Mesleki Gelişim Semineri / Technology Society and Professional Development Seminar	2	0	1	2
	Elektrik ve Elektronik Mühendisliği Genişletilmiş Seçmeli Dersi (2) / EEE Expanded Elective (2)			6	
	Elektrik ve Elektronik Mühendisliği Sınırlı Seçmeli Dersi / EEE Restricted Elective			3	
	Genel Seçmeli Ders / General Elective			3	
	Proje Seçmeli Dersi II / Project Elective II			3	

1.2.2. DERSLERİN DAĞILIMI / DISTRIBUTION COURSES



Grafik.1.2.2. Elektrik ve Elektronik Mühendisliği Lisans Programı Müfredatındaki Derslerin Dağılımı / **Graphic.1.2.2.** Distribution of Courses in the Electrical and Electronics Engineering Undergraduate Program Curriculum

1.3. ÖĞRENCİLER / STUDENTS

1.3.1. ÖĞRENCİ SAYILARI / NUMBER OF STUDENTS

Öğrenci Sayıları / Number of Students	
Hazırlık / Prep	56
1. Sınıf / 1. Class	173
2. Sınıf / 2. Class	185
3. Sınıf / 3. Class	210
4. Sınıf / 4. Class	215
Toplam Öğrenci Sayısı / Total Number of Students	839

Tablo.1.3.1. 2025-2026 Akademik Yılı Elektrik ve Elektronik Mühendisliği Lisans Programı
Öğrenci Sayıları / *Table.1.3.1. Number of Students in Electrical and Electronics Engineering
Undergraduate Program for the 2025-2026 Academic Year*

1.3.2. YABANCI ÖĞRENCİ SAYILARI / NUMBER OF FOREIGN STUDENTS

Yabancı Öğrenci Sayıları / Number of Foreign Students	
1. Sınıf / 1. Class	7
2. Sınıf / 2. Class	8
3. Sınıf / 3. Class	4
4. Sınıf / 4. Class	5
Toplam Yabancı Öğrenci Sayısı / Total Number of Foreign Students	24

Tablo.1.3.2. 2025-2026 Akademik Yılı Elektrik ve Elektronik Mühendisliği Lisans Programı
Yabancı Öğrenci Sayıları / *Table.1.3.2. Number of Foreign Students in Electrical and Electronics
Engineering Undergraduate Program for the 2025-2026 Academic Year*

1.4. ÖĞRETİM ELEMANLARI / FACULTY MEMBERS

1.4.1. ÖĞRETİM ELEMANI SAYILARI / NUMBER OF FACULTY MEMBERS

Öğretim Elemanı Sayıları / Number of Faculty Members	
Profesör Doktor / Professor Doctor	21
Doçent Doktor / Associate Professor	3
Doktor Öğretim Üyesi / Assistant Professor	5
Öğretim Görevlisi / Instructor	3
Araştırma Görevlisi / Research Assistant	1
Toplam Öğretim Elemanı Sayısı / Total Number of Faculty Members	33

Tablo.1.4.1. 2025-2026 Akademik Yılında Elektrik ve Elektronik Mühendisliği Lisans Programı Kadrolu ve Yarı Zamanlı Öğretim Elemanı Sayıları / **Table.1.4.1.** Number of Full-Time and Part-Time Faculty Members in the Electrical and Electronics Engineering Undergraduate Program in the 2025-2026 Academic Year

1.4.2. ÖĞRETİM ELEMANLARININ LİSTESİ / LIST OF FACULTY MEMBERS

Öğretim Elemanının Unvanı / Title of Faculty Member	Öğretim Elemanının Çalışma Şekli / Work-mode of Faculty Member	Öğretim Elemanının Adı - Soyadı / Name-Surname of Faculty Member	Öğretim Elemanının Unvanı / Title of Faculty Member	Öğretim Elemanının Çalışma Şekli / Work-mode of Faculty Member	Öğretim Elemanının Adı - Soyadı / Name-Surname of Faculty Member
Araştırma Görevlisi / Research Assistant	Tam Zamanlı / Full Time	Abdullah Erkam Arslan	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Behzat Orhan Aytür
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Emine Ülkü Sarıtaş Çukur	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Orhan Arıkan
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Aykut Koç	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Ahmet Enis Çetin
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Cem Tekin	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Ezhan Karaşan
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Özlem Tuğfe Demir	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Nail Akar
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Recep Can Yavaş	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Vakur Behçet Ertürk
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Erdoğan Tatar	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Ergin Atalar
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Melih Baştopçu	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Hitay Özbay
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Muhammed Ömer Sayın	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Levent Onural
Öğretim Görevlisi / Instructor	Tam Zamanlı / Full Time	Mehmet Alper Kutay	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Arif Bülent Özgüler
Öğretim Görevlisi / Instructor	Yarı Zamanlı / Part Time	İsmail Enis Ungan	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Ömer Morgül
Öğretim Görevlisi / Instructor	Yarı Zamanlı / Part Time	Cevahir Çığla	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Sinan Gezici
Profesör Doktor / Professor Doctor	Yarı Zamanlı / Part Time	Serdar Yüksel	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Tolga Mete Duman
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Abdullah Atalar	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Süleyman Serdar Kozat
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Erdal Arıkan	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Tolga Çukur
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Memduh Haldun Özaktaş	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Ayhan Altıntaş
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Billur Barshan Özaktaş			

Tablo.1.4.2. 2025-2026 Akademik Yılında Elektrik ve Elektronik Mühendisliği Lisans Programı Kadrolu ve Yarı Zamanlı Öğretim Elemanı Listesi / **Table.1.4.2.** List of Full-Time and Part-Time Faculty Members in the Electrical and Electronics Engineering Undergraduate Program in the 2025-2026 Academic Year

1.5. EĞİTİMDE KALİTE KOMİTESİ / *COMMITTEE OF QUALITY IN EDUCATION*

- ❖ Sinan Gezici
- ❖ Mehmet Alper Kutay
- ❖ Özlem Tuğfe Demir
- ❖ Ayhan Altıntaş

2. TÜRKİYE YÜKSEKÖĞRETİM YETERLİLİKLER ÇERÇEVESİ - ULUSAL YETERLİLİKLER / *TURKISH HIGHER EDUCATION QUALIFICATIONS FRAMEWORK - NATIONAL QUALIFICATIONS*

Basic Field Qualifications for Engineering (Academic - Weighted) - 6th Level - Bachelor's						
LEVEL OF THEQF	KNOWLEDGE SKILLS -Theoretical -Factual	SKILLS -Cognitive -Practical	COMPETENCIES			
			Ability to Work Independently and Take Responsibility	Learning Competence	Communication and Social Competence	Field-Specific Competence
6th Level Bachelor's		S1. Make use of theoretical and practical knowledge on mathematics, sciences and their own field concurrently for engineering solutions. S2. Identify, define, formulate and solve engineering problems; select and apply analytical methods and modeling techniques appropriate for this purpose.	W1. Assume active responsibility in individual work or multi-disciplinary team work.	L1. Know how to access information and do literature survey; and make use of databases and other information resources. L2. Be aware of the need for lifelong learning; keep up with the developments in science and technology and renew themselves continuously. L3. Make use of theoretical and practical knowledge on mathematics, sciences and their own field concurrently for engineering solutions.	C1. Uses information and communication technologies together with computer software required by the field at least Advanced Level of European Computer Driving License. C2. Communicate in oral and written form in a foreign language at minimum B1 level, as defined by the European Language Portfolio. C3. Communicates using technical drawing. C4. Accesses information and makes source research for this purpose, uses databases and other information sources.	F1. Have sense of professional and ethical responsibility. F2. Have consciousness about project management, workplace practices, workers' health, environmental risk evaluation, environmental and work safety; and have awareness about legal consequences of engineering applications.
EQF-LLL: 6th Level	K1. Have sufficient background in mathematics, sciences and their own field of study.	S3. Analyze a system, a system component or a process; make a design in consideration of realistic constraints in order to meet the needs expected; and apply modern design methods. S4. Select and use modern techniques and devices required for engineering applications. S5. Design and conduct experiments, collect data, analyze and interpret results.	W2. Accesses information and makes source research for this purpose, uses databases and other information sources.	L4. Identify, define, formulate and solve engineering problems; select and apply analytical methods and modeling techniques appropriate for this purpose. L5. Analyze a system, a system component or a process; make a design in consideration of realistic constraints in order to meet the needs expected; and apply modern design methods. L6. Select and use modern techniques and devices required for engineering applications. L7. Assume active responsibility in individual work or multi-disciplinary team work.	C5. Becomes aware of the universal and social effects of engineering solutions and applications; become aware of entrepreneurship and innovation and have knowledge about the problems of the age.	F3. Becomes aware of the universal and social effects of engineering solutions and applications; become aware of entrepreneurship and innovation and have knowledge about the problems of the age.
QF-EHEA: 1st Cycle						

3. PROGRAM ÇIKTILARI / PROGRAM OUTCOMES

3.1. PROGRAM ÇIKTILARININ LİSTESİ / LIST OF PROGRAM OUTCOMES

- a. Mühendislik, fen bilimleri ve matematik ilkelerini uygulayarak karmaşık mühendislik problemlerini tanımlama, formüle etme ve çözme becerisine sahiptir. / *An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.*
- b. Kamu sağlığı, güvenliği ve refahının yanı sıra küresel, kültürel, sosyal, çevresel ve ekonomik faktörleri de dikkate alarak belirlenen ihtiyaçları karşılayacak çözümler üretmek için mühendislik tasarımını uygulama becerisine sahiptir. / *An ability to identify engineering design to produce solutions that meet specified needs with consideration of public health, safety and welfare, as well as global, cultural, social, environmental, and economic factors.*
- c. Çeşitli kitlelerle etkili bir şekilde iletişim kurabilme becerisine sahiptir. / *An ability to communicate effectively with a range of audiences.*
- d. Mühendislik pozisyonlarında etik ve profesyonel sorumlulukları tanıma ve mühendislik çözümlerinin küresel, ekonomik, çevresel ve toplumsal bağlamlardaki etkisini dikkate alması gereken bilinçli kararlar verme becerisine sahiptir. / *An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.*
- e. Tüm üyeleri ile birlikte, liderlik sağlayan, işbirlikçi ve kapsayıcı bir ortam yaratan, hedefler belirleyen, görevleri planlayan ve hedeflere ulaşan bir ekipte etkili bir şekilde çalışabilme becerisine sahiptir. / *An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.*
- f. Uygun deneyler geliştirme ve yürütme, verileri analiz etme ve yorumlama ve tüm bunlardan sonuç çıkarmak için mühendislik yargısını kullanma becerisine sahiptir. / *An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions.*
- g. Uygun öğrenme stratejilerini kullanarak gerektiğinde yeni bilgi edinme ve uygulama becerisine sahiptir. / *An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.*
- h. Öğrenciler, derslerin yanı sıra çeşitli ve yaratıcı, sanatsal, kültürel, sportif ve entelektüel faaliyetlere katılarak kampüs hayatından daha fazla faydalanırlar. / *Take advantage of the campus life where students are engaged in diversity, creativity and commitment outside coursework through artistic, cultural, sportive and intellectual activities.*

3.2. ULUSAL YETERLİLİKLER İLE PROGRAM ÇIKTILARI BAĞLANTI TABLOSU / NATIONAL QUALIFICATIONS AND PROGRAM OUTCOMES CONNECTION TABLE

Ulusal Yeterlilikler / National Competencies	Program Çıktıları / Program Outcomes							
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
K1	✓							
S1	✓							
S2	✓							
S3	✓	✓						
S4	✓							
S5						✓		
W1					✓			✓
W2							✓	
L1							✓	
L2							✓	
L3	✓							
L4	✓							
L5	✓	✓						
L6	✓							
L7					✓			✓
C1	✓							
C2			✓					
C3			✓					
C4							✓	
C5				✓				
F1				✓				
F2				✓				
F3		✓		✓				

Tablo.3.2. Ulusal Yeterlilikler ile Elektrik ve Elektronik Mühendisliği Lisans Programı Program Çıktıları Bağlantı Tablosu / **Table.3.2.** National Qualifications and Electrical and Electronics Engineering Undergraduate Program Program Outcomes Link Table

4. DERSLER / COURSES

4.1. PROGRAM ÇIKTILARI - DERSLER TABLOSU / PROGRAM OUTCOMES - COURSES TABLE

Dersler / Courses	Program Çıktıları / Program Outcomes								Dersler / Courses	Program Çıktıları / Program Outcomes							
	a	b	c	d	e	f	g	h		a	b	c	d	e	f	g	h
CS 115	✓								GE 251			✓				✓	✓
EEE 102	✓		✓	✓		✓	✓		GE 301				✓	✓		✓	
EEE 202	✓					✓			GE 304		✓		✓			✓	
EEE 211	✓	✓	✓	✓		✓			HIST 200			✓		✓		✓	
EEE 212	✓					✓			HUM 111			✓				✓	
EEE 299	✓	✓	✓	✓	✓	✓	✓		HUM 112			✓				✓	
EEE 313	✓	✓				✓			MATH 101	✓		✓		✓			
EEE 321	✓								MATH 102	✓		✓		✓			
EEE 342	✓								MATH 241	✓							
EEE 351	✓	✓							MATH 242	✓							
EEE 399	✓	✓	✓	✓	✓	✓	✓		MATH 255	✓					✓		
ENG 101			✓				✓		PHYS 101	✓	✓			✓		✓	
ENG 102			✓				✓		PHYS 102	✓	✓			✓		✓	
ENG 401			✓				✓		TURK 101			✓				✓	
GE 100			✓				✓	✓	TURK 102			✓				✓	
GE 250			✓				✓	✓									

Tablo.4.1. Elektrik ve Elektronik Mühendisliği Lisans Programı - Program Çıktıları ve Dersler Tablosu / **Table.4.1.** Electrical and Electronics Engineering Undergraduate Program - Program Outcomes and Courses Table

4.2. PERFORMANS ÖLÇÜMÜNDE KULLANILAN METRİKLER / METRICS TO BE USED IN PERFORMANCE MEASUREMENT

4.2.1. PERFORMANS ÖLÇÜMLERİNDE KULLANILAN DEĞERLENDİRME METOTLARI // EVALUATION METHODS USED IN PERFORMANCE MEASUREMENTS

4.2.1.1. 2025-2026 Akademik Yılı Güz Dönemi için / For 2025-2026 Academic Year Fall Semester;

Course Code	Program Outputs	Lab exam	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
CS 115	a	20	40	40	100	M1	40	75			
Course Code	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
EEE 102	a	100	100	M1	80	75					
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	c	100	100	M1	80	75					
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	d	100	100	M1	80	75					
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	f	100	100	M1	80	75					
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	g	100	100	M1	80	75					
Course Code	Program Outputs	Quiz	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
EEE 202	a	6	27	27	40	100	M1	30	75		

Course Code	Program Outputs	Lab work	Lab work	Lab work	Lab work	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
EEE 202	f	20	20	20	20	20	100	M1	30	75			
Course Code	Program Outputs	Quiz	Quiz	Quiz	Quiz	Quiz	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
EEE 211	a	5	5	5	5	5	35	40	100	M1	30	75	
	Program Outputs	Lab work	Lab work	Lab work	Lab work	Lab work	Lab work	Lab work	Lab work	Lab work	Lab work	Total Contribution	
	f	6,5	6,5	6,5	6,5	6,5	6,5	6,5	6,5	6,5	41,5	100	
		Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)									
		M1	30	75									
Course Code	Program Outputs	Project	Lab work	Lab work	Lab work	Lab work	Lab work	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
EEE 212	f	34	11	11	11	11	11	11	100	M1	60	75	
Course Code	Program Outputs	Final:Essay/ written	Midterm:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
EEE 313	a	55	45	100	M1	25	75						
Course Code	Program Outputs	Midterm	Final	Lab work	Lab work	Lab work	Lab work	Lab work	Lab work	Quiz	Total Contribution	Qualification Calculation Method	
EEE 321	a	30	35	4	4	4	4	4	4	11	100	M1	
		(Average) Qualification Grade	Qualification Threshold (%)										
		30	75										

Course Code	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Lab work	Lab work	Lab work	Quiz	Quiz	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
EEE 342	a	29	35	5	5	5	7	7	7	100	M1	45
		Qualification Threshold (%)										
		75										
Course Code	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Quiz	Quiz	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
EEE 351	a	32,2	48,3	6,5	6,5	6,5	100	M1	30	75		
	Program Outputs	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
	b	100	100	M1	60	75						
Course Code	Program Outputs	Academic Essay 1	Essay	Oral Presentation	Student Led Discussion	Academic Summary and Critical Response Task	Self-progress Reflection Task	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
ENG 101	c	20	25	8	7	10	5	25	100	M1	70	75
	Program Outputs	Academic Essay 1	Essay	Oral Presentation	Student Led Discussion	Academic Summary and Critical Response Task	Self-progress Reflection Task	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	g	20	25	8	7	10	5	25	100	M1	70	75
Course Code	Program Outputs	Library Skills Task	Academic Essay	Oral Presentation	Research Paper Outline	Research essay	Inter views	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
ENG 102	c	5	20	20	10	30	15	100	M1	70	70	
	Program Outputs	Library Skills Task	Academic Essay	Oral Presentation	Research Paper Outline	Research essay	Inter views	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	g	5	20	20	10	30	15	100	M1	70	70	

Course Code	Program Outputs	Final	Midterm	Quiz	Quiz	Quiz	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
GE 301	d	30	20	10	10	10	20	100	M1	45	60	
	Program Outputs	Final	Midterm	Quiz	Quiz	Quiz	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	e	30	20	10	10	10	20	100	M1	45	60	
	Program Outputs	Final	Midterm	Quiz	Quiz	Quiz	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	g	30	20	10	10	10	20	100	M1	45	60	
Course Code	Program Outputs	Oral presentation	Research essay	Performance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
HIST 200	c	10	60	30	100	M1	70	75				
	Program Outputs	Oral presentation	Research essay	Performance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
	e	10	60	30	100	M1	70	75				
	Program Outputs	Oral presentation	Research essay	Performance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
	g	10	60	30	100	M1	70	75				
Course Code	Program Outputs	Quizzes	In-class participation	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
HUM 112	c	30	10	30	30	100	M1	60	75			
	Program Outputs	Quizzes	In-class participation	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	g	30	10	30	30	100	M1	60	75			
Course Code	Program Outputs	Midterm	Midterm	Final	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
MATH 101	a	26,66	26,67	26,67	10	10	100	M1	40	50		

Course Code	Program Outputs	Midterm	Midterm	Final	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshhold (%)		
MATH 101	c	26,66	26,67	26,67	10	10	100	M1	40	50		
	Program Outputs	Midterm	Midterm	Final	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshhold (%)		
	e	26,66	26,67	26,67	10	10	100	M1	40	50		
Course Code	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshhold (%)			
MATH 102	a	30	30	30	10	100	M1	40	50			
	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshhold (%)			
	c	30	30	30	10	100	M1	40	50			
	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshhold (%)			
	e	30	30	30	10	100	M1	40	50			
Course Code	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Quiz	Quiz	Quiz	Quiz	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshhold (%)
MATH 241	a	35	35	6	6	6	6	6	100	M1	25	75
Course Code	Program Outputs	Midterm:Essay/ written	Quiz	Homework	Final:Essay/ written	MATLAB	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshhold (%)		
MATH 242	a	30	30	5	30	5	100	M1	30	75		
Course Code	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Homework	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshhold (%)		
MATH 255	a	25	25	40	5	5	100	M1	35	75		
	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Homework	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshhold (%)		
	f	25	25	40	5	5	100	M1	35	75		

Course Code	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
PHYS 101	a	15	20	10	10	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	b	15	20	10	10	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	e	15	20	10	10	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	g	15	20	10	10	25	20	100	M1	50	50	
Course Code	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
PHYS 102	a	15	20	10	10	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	b	15	20	10	10	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	e	15	20	10	10	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	g	15	20	10	10	25	20	100	M1	50	50	
Course Code	Program Outputs	Blog	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
TURK 101	c	70	30	100	M1	70	60					
	Program Outputs	Blog	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	g	70	30	100	M1	70	60					

Course Code	Program Outputs	Blog	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
TURK 102	c	70	30	100	M1	70	60	
	Program Outputs	Blog	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	g	70	30	100	M1	70	60	

Ölçümlerde Kullanılan Metotlarla İlgili Açıklamalar / *Explanations About the Methods Used in Measurements*

Bütün metotlar için sadece dersi geçen öğrencilerin notları kullanılacaktır. / *For all methods, only the grades of students who pass the course will be used.*

- G: Öğrencilerin ilgili program çıktısını kazanacağı öngörülen minimum not / *G: Minimum grade at which students attain the relevant program outcome*
- T: Dersin ilgili program çıktısının kazanımı için yeterli sayılacağı eşik öğrenci yüzdesi / *T: Threshold percentage of students for the course to be considered sufficient for the attainment of the relevant program outcome*
- M1: Öğrencilerin %T'sinin dönem toplamlarının en az G olması / *M1: T% of the students to have a semester total of at least G*
- M2: Öğrencilerin %T'sinin dönem toplamlarının en az bölümdeki dönem toplamlarının ortalaması kadar olması / *M2: T% of the students of the department to have a semester total of at least that of the department average*
- M3: Öğrencilerin dönem toplamlarının ortalamasının en az G olması / *M3: Average semester total of students of the department to be at least G*
- M4: Öğrencilerin %T'sinin dönem toplamlarının en az tüm bölümlerdeki tüm öğrencilerin dönem toplamlarının ortalaması kadar olması / *M4: T% of the students of the department to have a semester total of at least average semester total of all students from all departments*

4.2.1.2. 2025-2026 Akademik Yılı Bahar Dönemi için / For 2025-2026 Academic Year Spring Semester;

Course Code	Program Outputs	Lab exam	Midterm:Essay /written	Final:Essay/written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
CS 115	a	20	40	40	100	M1	40	75			
Course Code	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
EEE 102	a	100	100	M1	80	75					
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	c	100	100	M1	80	75					
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	d	100	100	M1	80	75					
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	f	100	100	M1	80	75					
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	g	100	100	M1	80	75					
Course Code	Program Outputs	Quiz	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
EEE 202	a	6	27	27	40	100	M1	30	75		
	Program Outputs	Lab work	Lab work	Lab work	Lab work	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	f	20	20	20	20	20	100	M1	30	75	

Course Code	Program Outputs	Quiz	Quiz	Quiz	Quiz	Quiz	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
EEE 211	a	5	5	5	5	5	35	40	100	M1	30	75	
	Program Outputs	Lab work	Lab work	Lab work	Lab work	Lab work	Lab work	Lab work	Lab work	Lab work	Lab work	Total Contribution	Qualification Calculation Method
	f	6,5	6,5	6,5	6,5	6,5	6,5	6,5	6,5	6,5	41,5	100	M1
		(Average) Qualification Grade	Qualification Threshold (%)										
		30	75										
Course Code	Program Outputs	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
EEE 212	a	40	60	100	M1	40	75						
	Program Outputs	Lab work	Project	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
	f	14	30	21	35	100	M1	60	75				
Course Code	Program Outputs	Final:Essay/ written	Midterm:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
EEE 313	a	55	45	100	M1	25	75						
Course Code	Program Outputs	Midterm	Final	Lab work	Lab work	Lab work	Lab work	Lab work	Lab work	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
EEE 321	a	30	35	4	4	4	4	4	4	11	100	M1	30
		Qualification Threshold (%)											
		75											
Course Code	Program Outputs	Midterm:Essay /written	Final:Essay/ written	Lab work	Lab work	Lab work	Quiz	Quiz	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
EEE 342	a	29	35	5	5	5	7	7	7	100	M1	45	75
Course Code	Program Outputs	Midterm:Essay /written	Final:Essay/ written	Quiz	Quiz	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
EEE 351	a	32,2	48,3	6,5	6,5	6,5	100	M1	30	75			

Course Code	Program Outputs	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
EEE 351	b	100	100	M1	60	75							
Course Code	Program Outputs	Academic Essay 1	Essay	Oral Presentation	Student Led Discussion	Academic Summary and Critical Response Task	Self-progress Reflection Task	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
ENG 101	c	20	25	8	7	10	5	25	100	M1	70	75	
	Program Outputs	Academic Essay 1	Essay	Oral Presentation	Student Led Discussion	Academic Summary and Critical Response Task	Self-progress Reflection Task	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	g	20	25	8	7	10	5	25	100	M1	70	75	
Course Code	Program Outputs	Library Skills Task	Academic Essay	Oral Presentation	Research Paper Outline	Research essay	Interviews	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
ENG 102	c	5	20	20	10	30	15	100	M1	70	70		
	Program Outputs	Library Skills Task	Academic Essay	Oral Presentation	Research Paper Outline	Research essay	Interviews	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	g	5	20	20	10	30	15	100	M1	70	70		
Course Code	Program Outputs	Final	Midterm	Quiz	Quiz	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
GE 301	d	35	25	10	10	20	100	M1	45	60			
	Program Outputs	Final	Midterm	Quiz	Quiz	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	e	35	25	10	10	20	100	M1	45	60			
	Program Outputs	Final	Midterm	Quiz	Quiz	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	g	35	25	10	10	20	100	M1	45	60			

Course Code	Program Outputs	In-class attendance	In-class attendance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
GE 304	b	50	50	100	M1	4	90					
	Program Outputs	In-class attendance	In-class attendance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	d	50	50	100	M1	4	90					
	Program Outputs	In-class attendance	In-class attendance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	g	50	50	100	M1	4	90					
Course Code	Program Outputs	Oral presentation	Research essay	Performance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
HIST 200	c	10	60	30	100	M1	70	75				
	Program Outputs	Oral presentation	Research essay	Performance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
	e	10	60	30	100	M1	70	75				
	Program Outputs	Oral presentation	Research essay	Performance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
	g	10	60	30	100	M1	70	75				
Course Code	Program Outputs	Quizzes	In-class participation	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
HUM 112	c	30	10	30	30	100	M1	60	75			
	Program Outputs	Quizzes	In-class participation	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	g	30	10	30	30	100	M1	60	75			
Course Code	Program Outputs	Midterm	Midterm	Final	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
MATH 101	a	28	28	28	10	6	100	M1	40	50		
	Program Outputs	Midterm	Midterm	Final	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	c	28	28	28	10	6	100	M1	40	50		

Course Code	Program Outputs	Midterm	Midterm	Final	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
MATH 101	e	28	28	28	10	6	100	M1	40	50			
Course Code	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
MATH 102	a	26,6	26,7	26,7	10	10	100	M1	40	50			
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	c	26,6	26,7	26,7	10	10	100	M1	40	50			
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	e	26,6	26,7	26,7	10	10	100	M1	40	50			
Course Code	Program Outputs	Midterm:Essay /written	Final:Essay/ written	Quiz	Quiz	Quiz	Quiz	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
MATH 241	a	35	35	6	6	6	6	6	100	M1	25	75	
Course Code	Program Outputs	Midterm:Essay /written	Quiz	Homework	Final:Essay/ written	MATLAB	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
MATH 242	a	30	30	5	30	5	100	M1	30	75			
Course Code	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Homework	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
MATH 255	a	25	25	40	5	5	100	M1	35	75			
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Homework	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	f	25	25	40	5	5	100	M1	35	75			

Course Code	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
PHYS 101	a	20	20	10	5	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	b	20	20	10	5	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	e	20	20	10	5	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	g	20	20	10	5	25	20	100	M1	50	50	
Course Code	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
PHYS 102	a	20	20	10	5	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	b	20	20	10	5	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	e	20	20	10	5	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	g	20	20	10	5	25	20	100	M1	50	50	
Course Code	Program Outputs	Blog	Final Sınavı	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
TURK 101	c	70	30	100	M1	70	60					
	Program Outputs	Blog	Final Sınavı	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	g	70	30	100	M1	70	60					

Course Code	Program Outputs	Blog	Final Sınavı	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
TURK 102	c	70	30	100	M1	70	60
	Program Outputs	Blog	Final Sınavı	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	g	70	30	100	M1	70	60

Ölçümlerde Kullanılan Metotlarla İlgili Açıklamalar / *Explanations About the Methods Used in Measurements*

Bütün metotlar için sadece dersi geçen öğrencilerin notları kullanılacaktır. / *For all methods, only the grades of students who pass the course will be used.*

- G: Öğrencilerin ilgili program çıktısını kazanacağı öngörülen minimum not / *G: Minimum grade at which students attain the relevant program outcome*
- T: Dersin ilgili program çıktısının kazanımı için yeterli sayılacağı eşik öğrenci yüzdesi / *T: Threshold percentage of students for the course to be considered sufficient for the attainment of the relevant program outcome*
- M1: Öğrencilerin %T'sinin dönem toplamlarının en az G olması / *M1: T% of the students to have a semester total of at least G*
- M2: Öğrencilerin %T'sinin dönem toplamlarının en az bölümdeki dönem toplamlarının ortalaması kadar olması / *M2: T% of the students of the department to have a semester total of at least that of the department average*
- M3: Öğrencilerin dönem toplamlarının ortalamasının en az G olması / *M3: Average semester total of students of the department to be at least G*
- M4: Öğrencilerin %T'sinin dönem toplamlarının en az tüm bölümlerdeki tüm öğrencilerin dönem toplamlarının ortalaması kadar olması / *M4: T% of the students of the department to have a semester total of at least average semester total of all students from all departments*

4.2.2. PERFORMANS ÖLÇÜMLERİNDE KULLANILAN METOTLAR VE PERFORMANS SONUÇ DETAYLARI / METHODS USED IN PERFORMANCE MEASUREMENTS AND PERFORMANCE RESULT DETAILS

4.2.2.1. 2025-2026 Akademik Yılı Güz Dönemi için / For 2025-2026 Academic Year Fall Semester;

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
CS 115 - Python ile Programlamaya Giriş / CS 115 - Introduction to Programming in Python													
a	M1	40	75	361	124	67.28	73.6	338	121	93.63	97.58	Yeterli ✓ / Sufficient ✓	97.58
EEE 102 - Sayısal Mantık Tasarımı / EEE 102 - Digital Logic Design													
a	M1	80	75	68	68	97.26	97.26	68	68	100	100	Yeterli ✓ / Sufficient ✓	100
c	M1	80	75	68	68	97.26	97.26	68	68	100	100	Yeterli ✓ / Sufficient ✓	100
d	M1	80	75	68	68	97.26	97.26	68	68	100	100	Yeterli ✓ / Sufficient ✓	100
f	M1	80	75	68	68	97.26	97.26	68	68	100	100	Yeterli ✓ / Sufficient ✓	100
g	M1	80	75	68	68	97.26	97.26	68	68	100	100	Yeterli ✓ / Sufficient ✓	100
EEE 202 - Devre Teorisi / EEE 202 - Circuit Theory													
a	M1	30	75	63	62	51.47	51.36	63	62	100	100	Yeterli ✓ / Sufficient ✓	100
f	M1	30	75	63	62	84.4	84.29	63	62	100	100	Yeterli ✓ / Sufficient ✓	100
EEE 211 - Analog Elektronik / EEE 211 - Analog Electronics													
a	M1	30	75	152	147	66.71	66.68	151	146	99.34	99.32	Yeterli ✓ / Sufficient ✓	99.32
f	M1	30	75	152	147	98.6	98.59	152	147	100	100	Yeterli ✓ / Sufficient ✓	100
EEE 212 - Mikrodenetleyiciler ve Gömülü Sistemler / EEE 212 - Microcontrollers and Embedded Systems													
f	M1	60	75	66	66	86.19	86.19	65	65	98.48	98.48	Yeterli ✓ / Sufficient ✓	98.48

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
EEE 313 - Elektronik Devre Tasarımı / EEE 313 - Electronic Circuit Design													
a	M1	25	75	96	96	50.67	50.67	86	86	89.58	89.58	Yeterli ✓ / Sufficient ✓	89.58
EEE 321 - Sinyaller ve Sistemler / EEE 321 - Signals and Systems													
a	M1	30	75	106	104	72.28	72.23	106	104	100	100	Yeterli ✓ / Sufficient ✓	100
EEE 342 - Geri Beslemeli Kontrol Sistemleri / EEE 342 - Feedback Control Systems													
a	M1	45	75	102	100	65.63	66.43	94	94	92.16	94	Yeterli ✓ / Sufficient ✓	94
EEE 351 - Mühendislik Elektromanyetiği / EEE 351 - Engineering Electromagnetics													
a	M1	30	75	93	93	55.75	55.75	85	85	91.4	91.4	Yeterli ✓ / Sufficient ✓	91.4
b	M1	60	75	93	93	82.96	82.96	89	89	95.7	95.7	Yeterli ✓ / Sufficient ✓	95.7
ENG 101 - İngilizce ve Kompozisyon I / ENG 101 - English and Composition I													
c	M1	70	75	1478	121	83.35	86.65	1377	118	93.17	97.52	Yeterli ✓ / Sufficient ✓	97.52
g	M1	70	75	1478	121	83.35	86.65	1377	118	93.17	97.52	Yeterli ✓ / Sufficient ✓	97.52
ENG 102 - İngilizce ve Kompozisyon II / ENG 102 - English and Composition II													
c	M1	70	70	535	49	86.02	88.45	521	48	97.38	97.96	Yeterli ✓ / Sufficient ✓	97.96
g	M1	70	70	535	49	86.02	88.45	521	48	97.38	97.96	Yeterli ✓ / Sufficient ✓	97.96
GE 301 - Bilim, Teknoloji ve Toplum / GE 301 - Science Technology and Society													
d	M1	45	60	358	102	85.47	87.09	358	102	100	100	Yeterli ✓ / Sufficient ✓	100
e	M1	45	60	358	102	85.47	87.09	358	102	100	100	Yeterli ✓ / Sufficient ✓	100
g	M1	45	60	358	102	85.47	87.09	358	102	100	100	Yeterli ✓ / Sufficient ✓	100

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / Avençe (All Std.)	Dept. Öğrenci Ort. / Avençe (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
HIST 200 - Türkiye Tarihi / HIST 200 - History of Turkey													
c	M1	70	75	1022	115	91.01	93.42	1006	114	98.43	99.13	Yeterli ✓ / Sufficient ✓	99.13
e	M1	70	75	1022	115	91.01	93.42	1006	114	98.43	99.13	Yeterli ✓ / Sufficient ✓	99.13
g	M1	70	75	1022	115	91.01	93.42	1006	114	98.43	99.13	Yeterli ✓ / Sufficient ✓	99.13
HUM 112 - Kültürler, Medeniyetler ve Düşünceler II / HUM 112 - Cultures Civilizations and Ideas II													
c	M1	60	75	289	25	83.97	85.54	285	24	98.62	96	Yeterli ✓ / Sufficient ✓	96
g	M1	60	75	289	25	83.97	85.54	285	24	98.62	96	Yeterli ✓ / Sufficient ✓	96
MATH 101 - Matematik I / MATH 101 - Calculus I													
a	M1	40	50	690	128	61.17	69.29	615	126	89.13	98.44	Yeterli ✓ / Sufficient ✓	98.44
c	M1	40	50	690	128	61.17	69.29	615	126	89.13	98.44	Yeterli ✓ / Sufficient ✓	98.44
e	M1	40	50	690	128	61.17	69.29	615	126	89.13	98.44	Yeterli ✓ / Sufficient ✓	98.44
MATH 102 - Matematik II / MATH 102 - Calculus II													
a	M1	40	50	183	46	62.98	66.01	158	40	86.34	86.96	Yeterli ✓ / Sufficient ✓	86.96
c	M1	40	50	183	46	62.98	66.01	158	40	86.34	86.96	Yeterli ✓ / Sufficient ✓	86.96
e	M1	40	50	183	46	62.98	66.01	158	40	86.34	86.96	Yeterli ✓ / Sufficient ✓	86.96
MATH 241 - Mühendislik Matematiği I / MATH 241 - Engineering Mathematics I													
a	M1	25	75	149	128	57.32	56.16	149	128	100	100	Yeterli ✓ / Sufficient ✓	100
MATH 242 - Mühendislik Matematiği II / MATH 242 - Engineering Mathematics II													
a	M1	30	75	77	63	67.62	67.94	77	63	100	100	Yeterli ✓ / Sufficient ✓	100
MATH 255 - Olasılık ve İstatistik / MATH 255 - Probability and Statistics													
a	M1	35	75	171	164	59.19	59.69	154	149	90.06	90.85	Yeterli ✓ / Sufficient ✓	90.85
f	M1	35	75	171	164	59.19	59.69	154	149	90.06	90.85	Yeterli ✓ / Sufficient ✓	90.85

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
PHYS 101 - Genel Fizik I / PHYS 101 - Geneml Physics I													
a	M1	50	50	638	123	74.01	78.37	609	122	95.45	99.19	Yeterli ✓ / Sufficient ✓	99.19
b	M1	50	50	638	123	74.01	78.37	609	122	95.45	99.19	Yeterli ✓ / Sufficient ✓	99.19
e	M1	50	50	638	123	74.01	78.37	609	122	95.45	99.19	Yeterli ✓ / Sufficient ✓	99.19
g	M1	50	50	638	123	74.01	78.37	609	122	95.45	99.19	Yeterli ✓ / Sufficient ✓	99.19
PHYS 102 - Genel Fizik II / PHYS 102 - Geneml Physics II													
a	M1	50	50	179	49	64.86	69.65	152	46	84.92	93.88	Yeterli ✓ / Sufficient ✓	93.88
b	M1	50	50	179	49	64.86	69.65	152	46	84.92	93.88	Yeterli ✓ / Sufficient ✓	93.88
e	M1	50	50	179	49	64.86	69.65	152	46	84.92	93.88	Yeterli ✓ / Sufficient ✓	93.88
g	M1	50	50	179	49	64.86	69.65	152	46	84.92	93.88	Yeterli ✓ / Sufficient ✓	93.88
TURK 101 - Türkçe I / TURK 101 - Turkish I													
c	M1	70	60	1373	115	87.67	89.21	1347	113	98.11	98.26	Yeterli ✓ / Sufficient ✓	98.26
g	M1	70	60	1373	115	87.67	89.21	1347	113	98.11	98.26	Yeterli ✓ / Sufficient ✓	98.26
TURK 102 - Türkçe II / TURK 102 - Turkish II													
c	M1	70	60	592	51	88.83	90.86	588	51	99.32	100	Yeterli ✓ / Sufficient ✓	100
g	M1	70	60	592	51	88.83	90.86	588	51	99.32	100	Yeterli ✓ / Sufficient ✓	100

4.2.2.2. 2025-2026 Akademik Yılı Bahar Dönemi için / For 2025-2026 Academic Year Spring Semester;

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
CS 115 - Python ile Programlamaya Giriş / CS 115 - Introduction to Programming in Python													
a	M1	40	75	273	45	67.50	73.86	269	45	98.53	100.00	Yeterli ✓ / Sufficient ✓	100.00
EEE 102 - Sayısal Mantık Tasarımı / EEE 102 - Digital Logic Design													
a	M1	80	75	138	133	95.09	95.14	136	131	98.55	98.50	Yeterli ✓ / Sufficient ✓	98.50
c	M1	80	75	138	133	95.09	95.14	136	131	98.55	98.50	Yeterli ✓ / Sufficient ✓	98.50
d	M1	80	75	138	133	95.09	95.14	136	131	98.55	98.50	Yeterli ✓ / Sufficient ✓	98.50
f	M1	80	75	138	133	95.09	95.14	136	131	98.55	98.50	Yeterli ✓ / Sufficient ✓	98.50
g	M1	80	75	138	133	95.09	95.14	136	131	98.55	98.50	Yeterli ✓ / Sufficient ✓	98.50
EEE 202 - Devre Teorisi / EEE 202 - Circuit Theory													
a	M1	30	75	134	132	62.38	62.30	134	132	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
f	M1	30	75	134	132	80.28	80.06	120	118	89.55	89.39	Yeterli ✓ / Sufficient ✓	89.39
EEE 211 - Analog Elektronik / EEE 211 - Analog Electronics													
a	M1	30	75	63	62	69.10	68.88	63	62	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
f	M1	30	75	63	62	98.64	98.63	63	62	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
EEE 212 - Mikrodenetleyiciler ve Gömülü Sistemler / EEE 212 - Microcontrollers and Embedded Systems													
a	M1	40	75	118	117	46.87	46.87	75	74	63.56	63.25	İyileştirmeye Açık! / Insufficient!	63.25
f	M1	60	75	118	117	69.23	69.22	88	87	74.58	74.36	İyileştirmeye Açık! / Insufficient!	74.36
EEE 313 - Elektronik Devre Tasarımı / EEE 313 - Electronic Circuit Design													
a	M1	25	75	83	83	74.28	74.28	82	82	98.80	98.80	Yeterli ✓ / Sufficient ✓	98.80

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
EEE 321 - Sinyaller ve Sistemler / EEE 321 - Signals and Systems													
a	M1	30	75	78	76	61.08	62.16	77	76	98.72	100.00	Yeterli ✓ / Sufficient ✓	100.00
EEE 342 - Geri Beslemeli Kontrol Sistemleri / EEE 342 - Feedback Control Systems													
a	M1	45	75	100	98	69.80	70.34	99	98	99.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
EEE 351 - Mühendislik Elektromanyetiği / EEE 351 - Engineering Electromagnetics													
a	M1	30	75	100	99	52.22	52.14	94	93	94.00	93.94	Yeterli ✓ / Sufficient ✓	93.94
b	M1	60	75	100	99	84.31	84.33	98	97	98.00	97.98	Yeterli ✓ / Sufficient ✓	97.98
ENG 101 - İngilizce ve Kompozisyon I / ENG 101 - English and Composition I													
c	M1	70	75	672	37	81.86	87.42	623	37	92.71	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	70	75	672	37	81.86	87.42	623	37	92.71	100.00	Yeterli ✓ / Sufficient ✓	100.00
ENG 102 - İngilizce ve Kompozisyon II / ENG 102 - English and Composition II													
c	M1	70	70	1314	114	85.76	88.21	1284	113	97.72	99.12	Yeterli ✓ / Sufficient ✓	99.12
g	M1	70	70	1314	114	85.76	88.21	1284	113	97.72	99.12	Yeterli ✓ / Sufficient ✓	99.12
GE 301 - Bilim, Teknoloji ve Toplum / GE 301 - Science Technology and Society													
d	M1	45	60	258	61	83.61	86.02	254	61	98.45	100.00	Yeterli ✓ / Sufficient ✓	100.00
e	M1	45	60	258	61	83.61	86.02	254	61	98.45	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	45	60	258	61	83.61	86.02	254	61	98.45	100.00	Yeterli ✓ / Sufficient ✓	100.00
GE 304 - Teknoloji, Toplum ve Mesleki Gelişim Semineri / GE 304 - Technology Society and Professional Development Seminar													
b	M1	4	90	131	131	42.86	42.86	65	65	49.62	49.62	İyileştirmeye Açık! / Insufficient!	49.62
d	M1	4	90	131	131	42.86	42.86	65	65	49.62	49.62	İyileştirmeye Açık! / Insufficient!	49.62
g	M1	4	90	131	131	42.86	42.86	65	65	49.62	49.62	İyileştirmeye Açık! / Insufficient!	49.62

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort./ Average (All Std.)	Dept. Öğrenci Ort./ Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam)/ Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci)/ Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci)/ Success Ratio (Dept.)	Performans/ Performance	Yeterlilik Oranı/ Success Ratio
HIST 200 - Türkiye Tarihi / HIST 200 - History of Turkey													
c	M1	70	75	917	61	91.63	92.26	900	59	98.15	96.72	Yeterli ✓ / Sufficient ✓	96.72
e	M1	70	75	917	61	91.63	92.26	900	59	98.15	96.72	Yeterli ✓ / Sufficient ✓	96.72
g	M1	70	75	917	61	91.63	92.26	900	59	98.15	96.72	Yeterli ✓ / Sufficient ✓	96.72
HUM 112 - Kültürler, Medeniyetler ve Düşünceler II / HUM 112 - Cultures Civilizations and Ideas II													
c	M1	60	75	1009	143	85.11	87.94	1002	143	99.31	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	60	75	1009	143	85.11	87.94	1002	143	99.31	100.00	Yeterli ✓ / Sufficient ✓	100.00
MATH 101 - Matematik I / MATH 101 - Calculus I													
a	M1	40	50	220	39	56.29	71.82	163	37	74.09	94.87	Yeterli ✓ / Sufficient ✓	94.87
c	M1	40	50	220	39	56.29	71.82	163	37	74.09	94.87	Yeterli ✓ / Sufficient ✓	94.87
e	M1	40	50	220	39	56.29	71.82	163	37	74.09	94.87	Yeterli ✓ / Sufficient ✓	94.87
MATH 102 - Matematik II / MATH 102 - Calculus II													
a	M1	40	50	618	127	54.31	59.68	526	121	85.11	95.28	Yeterli ✓ / Sufficient ✓	95.28
c	M1	40	50	618	127	54.31	59.68	526	121	85.11	95.28	Yeterli ✓ / Sufficient ✓	95.28
e	M1	40	50	618	127	54.31	59.68	526	121	85.11	95.28	Yeterli ✓ / Sufficient ✓	95.28
MATH 241 - Mühendislik Matematiği I / MATH 241 - Engineering Mathematics I													
a	M1	25	75	74	64	55.90	55.46	74	64	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
MATH 242 - Mühendislik Matematiği II / MATH 242 - Engineering Mathematics II													
a	M1	30	75	150	129	71.30	70.86	150	129	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
MATH 255 - Olasılık ve İstatistik / MATH 255 - Probability and Statistics													
a	M1	35	75	64	58	62.43	61.01	64	58	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
f	M1	35	75	64	58	62.43	61.01	64	58	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
PHYS 101 - Genel Fizik I / PHYS 101 - General Physics I													
a	M1	50	50	197	45	65.15	76.21	157	42	79.70	93.33	Yeterli ✓ / Sufficient ✓	93.33
b	M1	50	50	197	45	65.15	76.21	157	42	79.70	93.33	Yeterli ✓ / Sufficient ✓	93.33
e	M1	50	50	197	45	65.15	76.21	157	42	79.70	93.33	Yeterli ✓ / Sufficient ✓	93.33
g	M1	50	50	197	45	65.15	76.21	157	42	79.70	93.33	Yeterli ✓ / Sufficient ✓	93.33
PHYS 102 - Genel Fizik II / PHYS 102 - General Physics II													
a	M1	50	50	649	129	66.67	71.99	570	121	87.83	93.80	Yeterli ✓ / Sufficient ✓	93.80
b	M1	50	50	649	129	66.67	71.99	570	121	87.83	93.80	Yeterli ✓ / Sufficient ✓	93.80
e	M1	50	50	649	129	66.67	71.99	570	121	87.83	93.80	Yeterli ✓ / Sufficient ✓	93.80
g	M1	50	50	649	129	66.67	71.99	570	121	87.83	93.80	Yeterli ✓ / Sufficient ✓	93.80
TURK 101 - Türkçe I / TURK 101 - Turkish I													
c	M1	70	60	597	35	85.40	89.88	578	35	96.82	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	70	60	597	35	85.40	89.88	578	35	96.82	100.00	Yeterli ✓ / Sufficient ✓	100.00
TURK 102 - Türkçe II / TURK 102 - Turkish II													
c	M1	70	60	1352	120	88.98	91.35	1335	119	98.74	99.17	Yeterli ✓ / Sufficient ✓	99.17
g	M1	70	60	1352	120	88.98	91.35	1335	119	98.74	99.17	Yeterli ✓ / Sufficient ✓	99.17

4.3. PERFORMANS ÖLÇÜM SONUÇLARI / PERFORMANCE MEASUREMENT RESULTS

4.3.1. PROGRAM ÇIKTILARI PERFORMANS TABLOSU / PROGRAM OUTCOMES PERFORMANCE TABLE

4.3.1.1. 2025-2026 Akademik Yılı Güz Dönemi için / For 2025-2026 Academic Year Fall Semester;

Dersler / Courses	Program Çıktıları / Program Outcomes						
	a	b	c	d	e	f	g
CS 115	97.58						
EEE 102	100		100	100		100	100
EEE 202	100					100	
EEE 211	99.32					100	
EEE 212						98.48	
EEE 313	89.58						
EEE 321	100						
EEE 342	94						
EEE 351	91.4	95.7					
ENG 101			97.52				97.52
ENG 102			97.96				97.96
GE 301				100	100		100
HIST 200			99.13		99.13		99.13
HUM 112			96				96
MATH 101	98.44		98.44		98.44		
MATH 102	86.96		86.96		86.96		
MATH 241	100						
MATH 242	100						
MATH 255	90.85					90.85	
PHYS 101	99.19	99.19			99.19		99.19
PHYS 102	93.88	93.88			93.88		93.88
TURK 101			98.26				98.26
TURK 102			100				100

Tablo.4.3.1.1. 2025-2026 Akademik Yılı Güz Dönemi Elektrik ve Elektronik Mühendisliği Lisans Programı Program Çıktıları Performans Tablosu / **Table.4.3.1.1.** 2025-2026 Academic Year Fall Semester Electrical and Electronics Engineering Undergraduate Program - Program Outcomes Performance Table

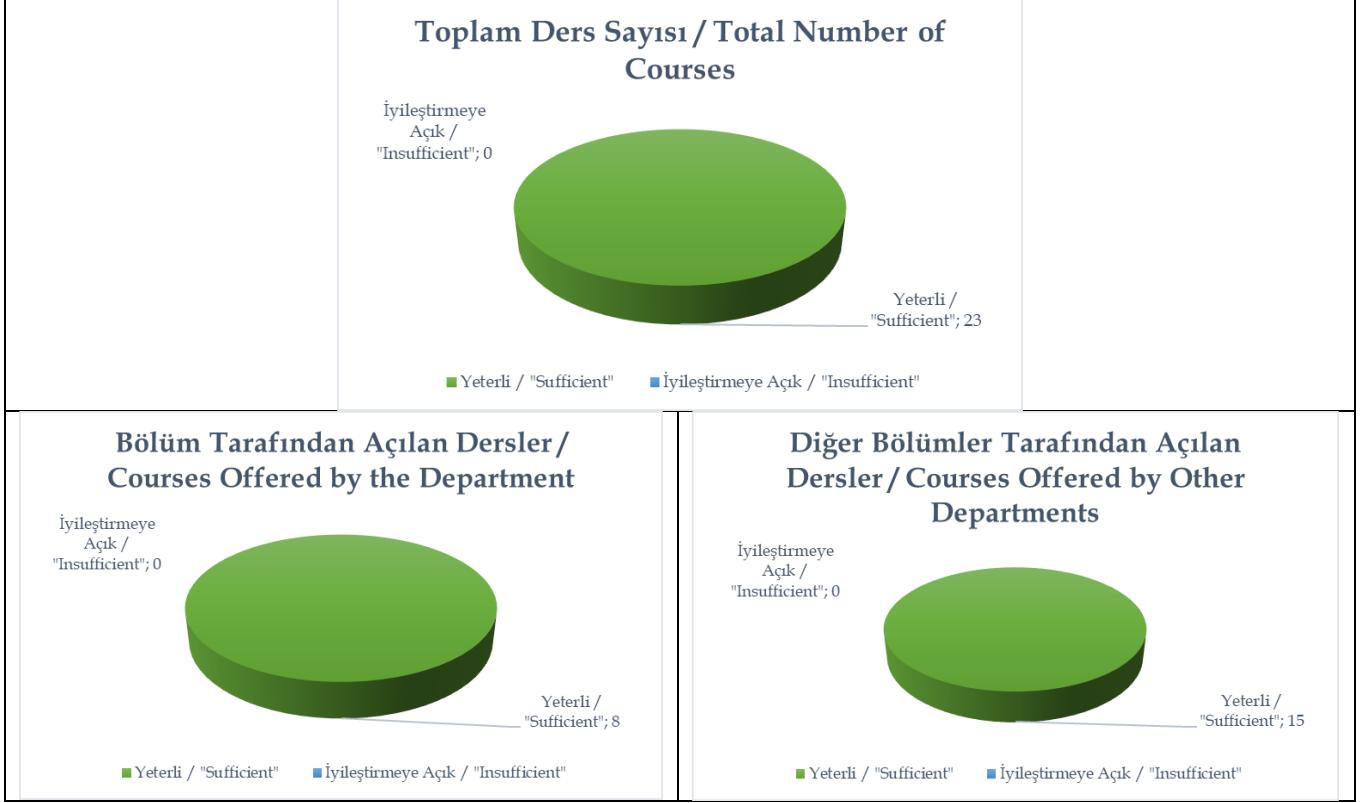
4.3.1.2. 2025-2026 Akademik Yılı Bahar Dönemi için / For 2025-2026 Academic Year
Spring Semester;

Dersler / Courses	Program Çıktıları / Program Outcomes						
	a	b	c	d	e	f	g
CS 115	100.00						
EEE 102	98.50		98.50	98.50		98.50	98.50
EEE 202	100.00					89.39	
EEE 211	100.00					100.00	
EEE 212	63.25					74.36	
EEE 313	98.80						
EEE 321	100.00						
EEE 342	100.00						
EEE 351	93.94	97.98					
ENG 101			100.00				100.00
ENG 102			99.12				99.12
GE 301				100.00	100.00		100.00
GE 304		49.62		49.62			49.62
HIST 200			96.72		96.72		96.72
HUM 112			100.00				100.00
MATH 101	94.87		94.87		94.87		
MATH 102	95.28		95.28		95.28		
MATH 241	100.00						
MATH 242	100.00						
MATH 255	100.00					100.00	
PHYS 101	93.33	93.33			93.33		93.33
PHYS 102	93.80	93.80			93.80		93.80
TURK 101			100.00				100.00
TURK 102			99.17				99.17

Tablo.4.3.1.2. 2025-2026 Akademik Yılı Bahar Dönemi Elektrik ve Elektronik Mühendisliği
Lisans Programı Program Çıktıları Performans Tablosu / **Table.4.3.1.2.** 2025-2026 Academic Year
Spring Semester Electrical and Electronics Engineering Undergraduate Program - Program Outcomes
Performance Table

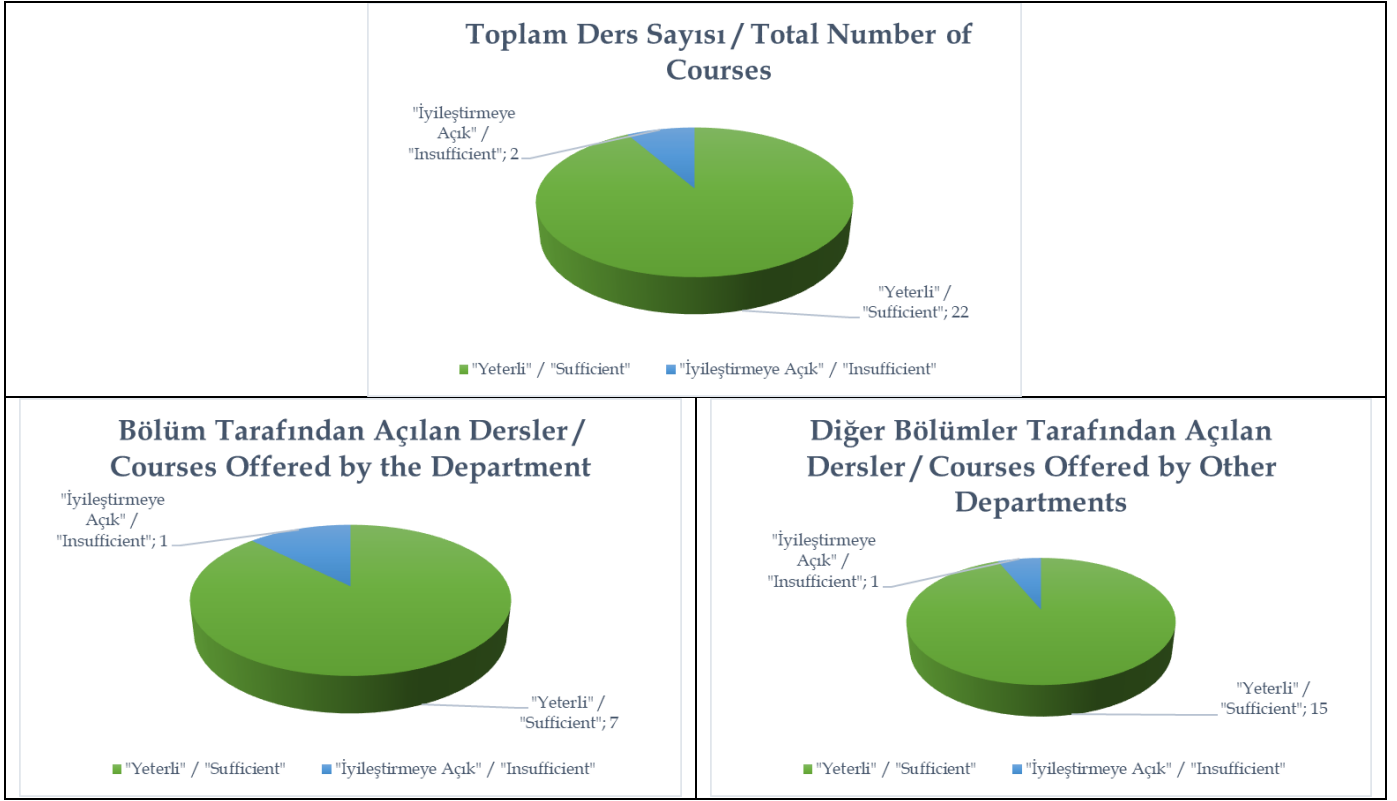
4.3.2. PROGRAM ÇIKTILARI PERFORMANS ANALİZLERİ / PROGRAM OUTCOMES PERFORMANCE ANALYSIS

4.3.2.1. 2025-2026 Akademik Yılı Güz Dönemi için / For 2025-2026 Academic Year Fall Semester;



Tablo.4.3.2.1. 2025-2026 Akademik Yılı Güz Dönemi Elektrik ve Elektronik Mühendisliği Lisans Programı Program Çıktıları Performans Analizleri Tablosu (Dersler için) / **Table.4.3.2.1.** 2025-2026 Academic Year Fall Semester Electrical and Electronics Engineering Undergraduate Program - Program Outcomes Performance Analysis Table (For Courses)

4.3.2.2. 2025-2026 Akademik Yılı Bahar Dönemi için / For 2025-2026 Academic Year Spring Semester;



Tablo.4.3.2.2. 2025-2026 Akademik Yılı Bahar Dönemi Elektrik ve Elektronik Mühendisliği Lisans Programı Program Çıktıları Performans Analizleri Tablosu (Dersler için) / **Table.4.3.2.2.** 2025-2026 Academic Year Spring Semester Electrical and Electronics Engineering Undergraduate Program - Program Outcomes Performance Analysis Table (For Courses)

	EEE 212 için a ve f program çıktıları; GE 304 için b, c ve g program çıktısında yeterlilik kriteri sağlanamamıştır. / The qualification criteria for EEE 212, program outcomes a and f; for GE 304, program outcomea b, c and g were insufficient.
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5. DEĞERLENDİRME / EVALUATION

5.1. PROGRAM ÇIKTILARI ÖLÇÜM SONUÇLARININ DEĞERLENDİRİLMESİ / EVALUATION OF PROGRAM OUTCOMES MEASUREMENT RESULTS

As part of the assessment and evaluation process for the 2025–2026 academic year, eight Program Outcomes were assessed through 23 courses in the fall semester and 24 courses in the spring semester.

In the fall semester, all assessed courses met or exceeded the established proficiency criteria for all Program Outcomes.

In the spring semester, assessments related to program outcomes a, b, c, f, and g fell below the established proficiency thresholds in two courses: EEE 212 and GE 304. However, these Program Outcomes were also assessed in several other courses, where the achievement levels exceeded 85%. Therefore, the lower scores observed in these two courses did not have a significant impact on the overall achievement levels of the corresponding Program Outcomes. Further investigation revealed that the low scores in GE 304, a seminar course primarily taken by graduating students, resulted from a system-related issue. Since many graduating students had been automatically unregistered from the system before the final grades were processed, their assessment data were not included in the automatic Program Outcome calculations. Consequently, the reported GE 304 measurements do not accurately reflect the actual student performance.

The low measurements observed in EEE 212 are currently under review. The course instructors and the Curriculum Committee have initiated an investigation to identify the underlying cause and implement the necessary corrective actions. In addition, measures are being taken to prevent similar issues from occurring in future assessment cycles.

5.2. EĞİTİM AMAÇLARININ DEĞERLENDİRİLMESİ / EVALUATION OF EDUCATIONAL OBJECTIVES

Following evaluations by the Advisory Board, alumni, employers, students, and faculty members, the Educational Objectives of the Department of Electrical and Electronics Engineering were revised in 2022. Since then, a variety of assessment activities—including graduate, senior student, employer, Advisory Board, and faculty surveys—have been conducted to evaluate the effectiveness of the revised objectives.

The assessment results indicate that the current Educational Objectives are well aligned with the University's mission and continue to meet stakeholder expectations. The findings also demonstrate that our graduates successfully achieve the intended Educational Objectives.

In addition to confirming the effectiveness of the current objectives, the collected feedback has identified several areas for further enhancement. Stakeholders recommended placing greater emphasis on the impact of artificial intelligence and machine learning on engineering practice and education, strengthening teamwork and collaboration skills, increasing opportunities for practical and hands-on learning, and giving greater consideration to social and cultural issues in engineering education.

The department remains committed to continuous improvement and regularly conducts meetings and assessment activities to monitor progress and incorporate stakeholder feedback into the ongoing development of its Educational Objectives and curriculum.