

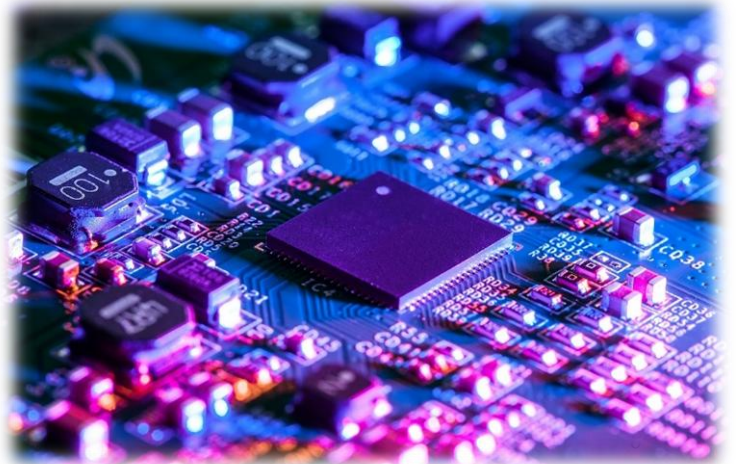
2025-2026 AKADEMİK  
YILI / Academic Year

# EĞİTİMDE KALİTE GÜVENCESİ GÜZ DÖNEMİ RAPORU

*QUALITY ASSURANCE IN  
EDUCATION FALL SEMESTER  
REPORT*

**MÜHENDİSLİK FAKÜLTESİ**  
*FACULTY OF ENGINEERING*

**ELEKTRİK VE ELEKTRONİK  
MÜHENDİSLİĞİ LİSANS PROGRAMI (EE)**  
*ELECTRICAL AND ELECTRONICS  
ENGINEERING UNDERGRADUATE PROGRAM  
(EE)*



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

**1. LİSANS PROGRAMI / UNDERGRADUATE PROGRAM**

**1.1. MÜFREDAT / CURRICULUM**

<b>Birinci Yıl / First Year</b>					
<b>Güz Dönemi / Fall Semester</b>					
<b>Ders Kod / Course Code</b>	<b>Ders Adı / Course Name</b>	<b>Saatler / Hours</b>		<b>Kredi / Credits</b>	
		<b>Ders / Lecture</b>	<b>Lab / Stüdyo / Diğer / Lab / Studio / Others</b>	<b>Bilkent</b>	<b>ECTS</b>
CS 115	Python ile Programlamaya Giriş / <i>Introduction to Programming in Python</i>	3	4	4	6,5
ENG 101	İngilizce ve Kompozisyon I / <i>English and Composition I</i>	5	0	3	5
GE 100	Üniversite Hayatına Giriş / <i>Orientation</i>	0	0	1	2
MATH 101	Matematik I / <i>Calculus I</i>	4	0	4	6,5
PHYS 101	Genel Fizik I / <i>General Physics I</i>	3	3	4	6,5
TURK 101	Türkçe I / <i>Turkish I</i>	0	0	2	3,5
<b>Bahar Dönemi / Spring Semester</b>					
<b>Ders Kod / Course Code</b>	<b>Ders Adı / Course Name</b>	<b>Saatler / Hours</b>		<b>Kredi / Credits</b>	
		<b>Ders / Lecture</b>	<b>Lab / Stüdyo / Diğer / Lab / Studio / Others</b>	<b>Bilkent</b>	<b>ECTS</b>
EEE 102	Sayısal Devre Tasarımı / <i>Introduction to Digital Circuit Design</i>	4	4	4	6,5
ENG 102	İngilizce ve Kompozisyon II / <i>English and Composition II</i>	5	0	3	5
MATH 102	Matematik II / <i>Calculus II</i>	4	0	4	6,5
PHYS 102	Genel Fizik II / <i>General Physics II</i>	3	3	4	6,5
TURK 102	Türkçe II / <i>Turkish II</i>	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
EE 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
EEE 351	Mühendislik Elektromanyetiği / Engineering Electromagnetics	3	0	3	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
MATH 255	Olasılık ve İstatistik / Probability and Statistics	4	0	4	6,5
	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 Seçmeli Dersi / Mathematics 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	

## 2. PROGRAM ÇIKTILARI / PROGRAM OUTCOMES

### 2.1. PROGRAM ÇIKTILARININ LİSTESİ / LIST OF PROGRAM OUTCOMES

- 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.
- 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.
- Çeşitli kitlelerle etkili bir şekilde iletişim kurabilme becerisine sahiptir. / An ability to communicate effectively with a range of audiences.
- 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.*

## 2.2. PROGRAM ÇIKTILARI - DERSLER MATRİSİ / 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.2.2.** Elektrik ve Elektronik Mühendisliği Lisans Programı - Program Çıktıları ve Dersler Tablosu / **Table.2.2.** Electrical and Electronics Engineering Undergraduate Program - Program Outcomes and Courses Table

### 3. PERFORMANS ÖLÇÜMLERİNDE KULLANILACAK METRİKLER / METRICS TO BE USED IN PERFORMANCE MEASUREMENT

#### 3.1. PERFORMANS ÖLÇÜMLERİNDE KULLANILACAK DEĞERLENDİRME METOTLARI / EVALUATION METHODS USED IN PERFORMANCE MEASUREMENTS

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	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	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	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 Threshold (%)		
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 Threshold (%)		
	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 Threshold (%)			
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 Threshold (%)			
	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 Threshold (%)			
	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 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	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*

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

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
<b>CS 115 - Python ile Programlamaya Giriş / CS 115 - Introduction to Programming in Python</b>													
a	M1	40	75	361	124	67.28	73.6	338	121	93.63	97.58	Yeterli ✓ / Sufficient ✓	97.58
<b>EEE 102 - Sayısal Mantık Tasarımı / EEE 102 - Digital Logic Design</b>													
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
<b>EEE 202 - Devre Teorisi / EEE 202 - Circuit Theory</b>													
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
<b>EEE 211 - Analog Elektronik / EEE 211 - Analog Electronics</b>													
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
<b>EEE 212 - Mikrodenetleyiciler ve Gömülü Sistemler / EEE 212 - Microcontrollers and Embedded Systems</b>													
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 (%) / Treshold 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
<b>EEE 313 - Elektronik Devre Tasarımı / EEE 313 - Electronic Circuit Design</b>													
a	M1	25	75	96	96	50.67	50.67	86	86	89.58	89.58	Yeterli ✓ / Sufficient ✓	89.58
<b>EEE 321 - Sinyaller ve Sistemler / EEE 321 - Signals and Systems</b>													
a	M1	30	75	106	104	72.28	72.23	106	104	100	100	Yeterli ✓ / Sufficient ✓	100
<b>EEE 342 - Geri Beslemeli Kontrol Sistemleri / EEE 342 - Feedback Control Systems</b>													
a	M1	45	75	102	100	65.63	66.43	94	94	92.16	94	Yeterli ✓ / Sufficient ✓	94
<b>EEE 351 - Mühendislik Elektromanyetiği / EEE 351 - Engineering Electromagnetics</b>													
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
<b>ENG 101 - İngilizce ve Kompozisyon I / ENG 101 - English and Composition I</b>													
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
<b>ENG 102 - İngilizce ve Kompozisyon II / ENG 102 - English and Composition II</b>													
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
<b>GE 301 - Bilim, Teknoloji ve Toplum / GE 301 - Science Technology and Society</b>													
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 (%) / Treshold 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
<b>HIST 200 - Türkiye Tarihi / HIST 200 - History of Turkey</b>													
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
<b>HUM 112 - Kültürler, Medeniyetler ve Düşünceler II / HUM 112 - Cultures Civilizations and Ideas II</b>													
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
<b>MATH 101 - Matematik I / MATH 101 - Calculus I</b>													
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
<b>MATH 102 - Matematik II / MATH 102 - Calculus II</b>													
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
<b>MATH 241 - Mühendislik Matematiği I / MATH 241 - Engineering Mathematics I</b>													
a	M1	25	75	149	128	57.32	56.16	149	128	100	100	Yeterli ✓ / Sufficient ✓	100
<b>MATH 242 - Mühendislik Matematiği II / MATH 242 - Engineering Mathematics II</b>													
a	M1	30	75	77	63	67.62	67.94	77	63	100	100	Yeterli ✓ / Sufficient ✓	100
<b>MATH 255 - Olasılık ve İstatistik / MATH 255 - Probability and Statistics</b>													
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
<b>PHYS 101 - Genel Fizik I / PHYS 101 - General Physics I</b>													
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
<b>PHYS 102 - Genel Fizik II / PHYS 102 - General Physics II</b>													
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
<b>TURK 101 - Türkçe I / TURK 101 - Turkish I</b>													
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
<b>TURK 102 - Türkçe II / TURK 102 - Turkish II</b>													
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

### 3.3. PERFORMANS ÖLÇÜM SONUÇLARI / PERFORMANCE MEASUREMENT RESULTS

#### 3.3.1. PROGRAM ÇIKTILARI PERFORMANS TABLOSU / PROGRAM OUTCOMES PERFORMANCE TABLE

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

**Tablo.3.3.1.** 2025-2026 Akademik Yılı Güz Dönemi Elektrik ve Elektronik Mühendisliği Lisans Programı Program Çıktıları Performans Tablosu / **Table.3.3.1.** 2025-2026 Academic Year Fall Semester Electrical and Electronics Engineering Undergraduate Program - Program Outcomes Performance Table

3.3.2. PROGRAM ÇIKTILARI PERFORMANS ORANLARI / PROGRAM OUTCOMES PERFORMANCE RATES

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.3.3.2.** 2025-2026 Akademik Yılı Güz Dönemi Elektrik ve Elektronik Mühendisliği Lisans Programı Program Çıktıları Performans Oranları Tablosu / *Table.3.3.2.* 2025-2026 Academic Year Fall Semester Electrical and Electronics Engineering Undergraduate Program - Program Outcomes Performance Rates Table