

2025-2026 AKADEMİK
YILI / Academic Year

EĞİTİMDE KALİTE
GÜVENCESİ GÜZ
DÖNEMİ RAPORU
*QUALITY ASSURANCE IN
EDUCATION FALL SEMESTER
REPORT*

MÜHENDİSLİK FAKÜLTESİ
FACULTY OF ENGINEERING

MAKİNE MÜHENDİSLİĞİ LİSANS
PROGRAMI (ME)
*MECHANICAL ENGINEERING
UNDERGRADUATE PROGRAM (ME)*



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MAKİNE MÜHENDİSLİĞİ LİSANS PROGRAMI - ME /
MECHANICAL ENGINEERING UNDERGRADUATE PROGRAM - ME

1. LİSANS PROGRAMI / UNDERGRADUATE PROGRAM
1.1. 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
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
ME 101	Makine Mühendisliğinin Temelleri / <i>Fundamentals of Mechanical Engineering</i>	2	2	2	3,5
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
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
CS 115	Python ile Programlamaya Giriş / <i>Introduction to Programming in Python</i>	3	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
CHEM 201	Malzeme Bilimi ve Teknolojisi / Material Science and Technology	3	0	3	5
GE 250	Üniversite Etkinlik Programı I / Collegiate Activities Program I	0	0	0	1
HUM 111	Kültürler, Medeniyetler ve Düşünceler I / Cultures Civilizations and Ideas I	3	0	3	5
MATH 220	Doğrusal Cebir / Linear Algebra	3	0	3	5
ME 211	Termoakışkanlar Mühendisliği I / Thermo-Fluids Engineering I	4	2	4	6,5
ME 231	Mekanik ve Malzeme I / Mechanics and Materials I	4	2	4	6,5
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
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 240	Türevsel Denklemler / Differential Equations	3	0	3	5
ME 212	Termoakışkanlar Mühendisliği II / Thermo-Fluids Engineering II	4	2	4	6,5
ME 232	Mekanik ve Malzeme II / Mechanics and Materials II	4	2	4	6,5
	Matematik/Fen Bilimleri Seçmeli Dersi / Mathematics/Science Elective			3	

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
ENG 401	Teknik Rapor Yazma ve Sunum / Technical Report Writing and Presentation	3	0	3	5
MATH 230	Mühendisler İçin Olasılık ve İstatistik / Probability and Statistics for Engineers	3	0	3	5
ME 299	Yaz Stajı I / Summer Practice I	0	0	0	7
ME 341	Dinamik ve Kontrol I / Dynamics and Control I	4	0	4	6,5
ME 384	Mekatronik Sistemler / Mechatronic Systems	3	0	3	5
	Makine Mühendisliği Seçmeli Dersi / Mechanical Engineering 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
HIST 200	Türkiye Tarihi / History of Turkey	3	0	4	6,5
ME 342	Dinamik ve Kontrol II / Dynamics and Control II	4	0	4	6,5
ME 371	Ölçme ve Değerlendirme / Measurement and Instrumentation	2	2	3	5
ME 381	Tasarım ve İmalat / Design and Manufacturing	3	0	3	5
	Matematik/Fen Bilimleri Seçmeli Dersi / Mathematics/Science 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
GE 301	Bilim, Teknoloji ve Toplum / Science Technology and Society	2	0	2	3,5
ME 399	Yaz Stajı II / Summer Practice II	0	0	0	7
	Temel Sanat Seçmeli Dersi / Arts Core Elective			3	
	Mühendislik Seçmeli Dersi / Engineering Elective			3	
	Makine Mühendisliği Seçmeli Dersi (2) / Mechanical Engineering Elective (2)			6	
	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
	Seçmeli Ders / Elective			3	
	Makine Mühendisliği Geniş Seçmeli Dersi / Mechanical Engineering Breadth Elective			3	
	Makine Mühendisliği Seçmeli Dersi (2) / Mechanical Engineering Elective (2)			6	
	Proje Seçmeli Dersi II / Project Elective II			3	
	Temel Sosyal Bilimler Seçmeli Dersi / Social Science Core Elective			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 function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives*
- 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							
	a	b	c	d	e	f	g	h
CHEM 201	✓							
CS 115	✓							
ENG 101			✓				✓	
ENG 102			✓				✓	
ENG 401			✓				✓	
GE 100			✓	✓			✓	✓
GE 250			✓				✓	✓
GE 251			✓				✓	✓
GE 301				✓	✓		✓	
HIST 200			✓		✓		✓	
HUM 111			✓				✓	
HUM 112			✓				✓	
MATH 101	✓		✓		✓			
MATH 102	✓		✓		✓			
MATH 220	✓							
MATH 230	✓							
MATH 240	✓							
ME 101	✓				✓			
ME 211	✓					✓		
ME 212	✓					✓		
ME 231	✓					✓		
ME 232	✓		✓			✓		
ME 299	✓		✓	✓			✓	
ME 341	✓							
ME 342	✓							
ME 371	✓				✓	✓		
ME 381	✓	✓						
ME 384	✓	✓			✓	✓		
ME 399	✓		✓	✓			✓	
PHYS 101	✓	✓			✓		✓	
PHYS 102	✓	✓			✓		✓	
TURK 101			✓				✓	
TURK 102			✓				✓	

Tablo.2.2. Makine Mühendisliği Lisans Programı - Program Çıktıları ve Dersler Tablosu /
Table.2.2. Mechanical 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	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
CHEM 201	a	30	30	40	100	M1	50	70				
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	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	Presentations	Written Project Proposal	Written Final Report	Interviews	Interviews	Presentations	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
ENG 401	c	15	20	35	5	5	20	100	M1	70	80
	Program Outputs	Presentations	Written Project Proposal	Written Final Report	Interviews	Interviews	Presentations	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	g	15	20	35	5	5	20	100	M1	70	80
Course Code	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
GE 100	c	100	100	M1	12	80					
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	d	100	100	M1	12	80					
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	g	100	100	M1	12	80					
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	h	100	100	M1	12	80					
Course Code	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
GE 251	c	100	100	M1	70	70					
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	g	100	100	M1	70	70					

Course Code	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
GE 251	h	100	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	Course Project	In-class participation	Final Examination	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
HUM 111	c	30	30	10	30	100	M1	60	75		
	Program Outputs	Quizzes	Course Project	In-class participation	Final Examination	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	g	30	30	10	30	100	M1	60	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	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
MATH 101	a	30	30	40	100	M1	40	50	
	Program Outputs	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	c	30	30	40	100	M1	40	50	
	Program Outputs	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	e	30	30	40	100	M1	40	50	
Course Code	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
MATH 102	a	30	30	40	100	M1	40	50	
	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	c	30	30	40	100	M1	40	50	
	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	e	30	30	40	100	M1	40	50	
Course Code	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Homework	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 220	a	40	45	10	5	100	M1	40	40

Course Code	Program Outputs	Midterm:Essay/ written	Homework	Homework	Homework	Homework	Final:Essay/wri tten	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
MATH 230	a	40	3,75	3,75	3,75	3,75	45	100	M1	30	75		
Course Code	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
MATH 240	a	40	48	12	100	M1	30	75					
Course Code	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
ME 101	a	50	50	100	M1	40	75						
	Program Outputs	Midterm:Essay/ written	Quiz	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	e	15	5	80	100	M1	30	75					
Course Code	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
ME 211	a	20	20	30	30	100	M1	48	75				
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	f	100	100	M1	70	75							
Course Code	Program Outputs	Quiz	Quiz	Quiz	Quiz	Quiz	Quiz	Quiz	Quiz	Midterm	Midterm	Final	
ME 231	a	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	25	25	30	
		Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)								
		100	M1	35	75								
	Program Outputs	Lab work	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
f	50	50	100	M1	65	75							

Course Code	Program Outputs	Quiz	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
ME 341	a	10	25	25	40	100	M1	40	75		
Course Code	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
ME 384	a	30	30	40	100	M1	30	75			
	Program Outputs	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	b	100	100	M1	50	75					
	Program Outputs	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	e	100	100	M1	50	75					
	Program Outputs	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
f	100	100	M1	50	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	15	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	15	20	15	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	15	20	15	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	15	20	15	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	15	20	15	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	15	20	15	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	15	20	15	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	15	20	15	5	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 department*

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
CHEM 201 - Malzeme Bilimi ve Teknolojisi / CHEM 201 - Materials Science and Technology													
a	M1	50	70	179	114	61.54	60.86	136	85	75.98	74.56	Yeterli ✓ / Sufficient ✓	74.56
CS 115 - Python ile Programlamaya Giriş / CS 115 - Introduction to Programming in Python													
a	M1	40	75	361	46	67.28	63.61	338	40	93.63	86.96	Yeterli ✓ / Sufficient ✓	86.96
ENG 101 - İngilizce ve Kompozisyon I / ENG 101 - English and Composition I													
c	M1	70	75	1478	70	83.35	86.27	1377	67	93.17	95.71	Yeterli ✓ / Sufficient ✓	95.71
g	M1	70	75	1478	70	83.35	86.27	1377	67	93.17	95.71	Yeterli ✓ / Sufficient ✓	95.71
ENG 102 - İngilizce ve Kompozisyon II / ENG 102 - English and Composition II													
c	M1	70	70	535	28	86.02	84.05	521	27	97.38	96.43	Yeterli ✓ / Sufficient ✓	96.43
g	M1	70	70	535	28	86.02	84.05	521	27	97.38	96.43	Yeterli ✓ / Sufficient ✓	96.43
ENG 401 - Teknik Rapor Yazma ve Sunum / ENG 401 - Technical Report Writing and Presentation													
c	M1	70	80	322	63	90.17	89.98	317	62	98.45	98.41	Yeterli ✓ / Sufficient ✓	98.41
g	M1	70	80	322	63	90.17	89.98	317	62	98.45	98.41	Yeterli ✓ / Sufficient ✓	98.41
GE 100 - Üniversite Hayatına Giriş / GE 100 - Orientation													
c	M1	12	80	1518	73	96.71	98.15	1518	73	100	100	Yeterli ✓ / Sufficient ✓	100
d	M1	12	80	1518	73	96.71	98.15	1518	73	100	100	Yeterli ✓ / Sufficient ✓	100
g	M1	12	80	1518	73	96.71	98.15	1518	73	100	100	Yeterli ✓ / Sufficient ✓	100
h	M1	12	80	1518	73	96.71	98.15	1518	73	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
GE 251 - Üniversite Etkinlik Programı II / GE 251 - Collegiate Activities Program II													
c	M1	70	70	889	38	92.5	94.87	800	36	89.99	94.74	Yeterli ✓ / Sufficient ✓	94.74
g	M1	70	70	889	38	92.5	94.87	800	36	89.99	94.74	Yeterli ✓ / Sufficient ✓	94.74
h	M1	70	70	889	38	92.5	94.87	800	36	89.99	94.74	Yeterli ✓ / Sufficient ✓	94.74
GE 301 - Bilim, Teknoloji ve Toplum / GE 301 - Science Technology and Society													
d	M1	45	60	358	60	85.47	83.78	358	60	100	100	Yeterli ✓ / Sufficient ✓	100
e	M1	45	60	358	60	85.47	83.78	358	60	100	100	Yeterli ✓ / Sufficient ✓	100
g	M1	45	60	358	60	85.47	83.78	358	60	100	100	Yeterli ✓ / Sufficient ✓	100
HIST 200 - Türkiye Tarihi / HIST 200 - History of Turkey													
c	M1	70	75	1022	35	91.01	93.2	1006	35	98.43	100	Yeterli ✓ / Sufficient ✓	100
e	M1	70	75	1022	35	91.01	93.2	1006	35	98.43	100	Yeterli ✓ / Sufficient ✓	100
g	M1	70	75	1022	35	91.01	93.2	1006	35	98.43	100	Yeterli ✓ / Sufficient ✓	100
HUM 111 - Kültürler, Medeniyetler ve Düşünceler I / HUM 111 - Cultures Civilizations and Ideas I													
c	M1	60	75	1273	71	83.63	85.76	1262	71	99.14	100	Yeterli ✓ / Sufficient ✓	100
g	M1	60	75	1273	71	83.63	85.76	1262	71	99.14	100	Yeterli ✓ / Sufficient ✓	100
HUM 112 - Kültürler, Medeniyetler ve Düşünceler II / HUM 112 - Cultures Civilizations and Ideas II													
c	M1	60	75	289	10	83.97	85.93	285	10	98.62	100	Yeterli ✓ / Sufficient ✓	100
g	M1	60	75	289	10	83.97	85.93	285	10	98.62	100	Yeterli ✓ / Sufficient ✓	100
MATH 101 - Matematik I / MATH 101 - Calculus I													
a	M1	40	50	690	77	55.03	52.85	547	60	79.28	77.92	Yeterli ✓ / Sufficient ✓	77.92
c	M1	40	50	690	77	55.03	52.85	547	60	79.28	77.92	Yeterli ✓ / Sufficient ✓	77.92
e	M1	40	50	690	77	55.03	52.85	547	60	79.28	77.92	Yeterli ✓ / Sufficient ✓	77.92

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
MATH 102 - Matematik II / MATH 102 - Calculus II													
a	M1	40	50	183	26	59.14	56.19	150	21	81.97	80.77	Yeterli ✓ / Sufficient ✓	80.77
c	M1	40	50	183	26	59.14	56.19	150	21	81.97	80.77	Yeterli ✓ / Sufficient ✓	80.77
e	M1	40	50	183	26	59.14	56.19	150	21	81.97	80.77	Yeterli ✓ / Sufficient ✓	80.77
MATH 220 - Doğrusal Cebir / MATH 220 - Linear Algebra													
a	M1	40	40	95	83	68.93	69.63	95	83	100	100	Yeterli ✓ / Sufficient ✓	100
MATH 230 - Mühendisler İçin Olasılık ve İstatistik / MATH 230 - Probability and Statistics for Engineers													
a	M1	30	75	223	71	65.13	58.94	223	71	100	100	Yeterli ✓ / Sufficient ✓	100
MATH 240 - Türevsel Denklemler / MATH 240 - Differential Equations													
a	M1	30	75	52	20	64.62	59.42	52	20	100	100	Yeterli ✓ / Sufficient ✓	100
ME 101 - Makine Mühendisliğinin Temelleri / ME 101 - Fundamentals of Mechanical Engineering													
a	M1	40	75	70	70	74.52	74.52	69	69	98.57	98.57	Yeterli ✓ / Sufficient ✓	98.57
e	M1	30	75	70	70	86.54	86.54	70	70	100	100	Yeterli ✓ / Sufficient ✓	100
ME 211 - Termodinamik Mühendisliği I / ME 211 - Thermo-Fluids Engineering I													
a	M1	48	75	76	76	61.47	61.47	60	60	78.95	78.95	Yeterli ✓ / Sufficient ✓	78.95
f	M1	70	75	76	76	78.69	78.69	60	60	78.95	78.95	Yeterli ✓ / Sufficient ✓	78.95
ME 231 - Mekanik ve Malzeme I / ME 231 - Mechanics and Materials I													
a	M1	35	75	88	88	73.63	73.63	86	86	97.73	97.73	Yeterli ✓ / Sufficient ✓	97.73
f	M1	65	75	88	88	97.03	97.03	88	88	100	100	Yeterli ✓ / Sufficient ✓	100
ME 341 - Dinamik ve Kontrol I / ME 341 - Dynamics and Control I													
a	M1	40	75	117	117	51.53	51.53	91	91	77.78	77.78	Yeterli ✓ / Sufficient ✓	77.78

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
ME 384 - Mekatronik Sistemler / ME 384 - Mechatronic Systems													
a	M1	30	75	124	122	62.05	61.44	122	120	98.39	98.36	Yeterli ✓/ Sufficient ✓	98.36
b	M1	50	75	124	122	82.38	82.09	124	122	100	100	Yeterli ✓/ Sufficient ✓	100
e	M1	50	75	124	122	82.38	82.09	124	122	100	100	Yeterli ✓/ Sufficient ✓	100
f	M1	50	75	124	122	65.05	64.71	106	104	85.48	85.25	Yeterli ✓/ Sufficient ✓	85.25
PHYS 101 - Genel Fizik I / PHYS 101 - General Physics I													
a	M1	50	50	638	73	73.77	72.04	613	70	96.08	95.89	Yeterli ✓/ Sufficient ✓	95.89
b	M1	50	50	638	73	73.77	72.04	613	70	96.08	95.89	Yeterli ✓/ Sufficient ✓	95.89
e	M1	50	50	638	73	73.77	72.04	613	70	96.08	95.89	Yeterli ✓/ Sufficient ✓	95.89
g	M1	50	50	638	73	73.77	72.04	613	70	96.08	95.89	Yeterli ✓/ Sufficient ✓	95.89
PHYS 102 - Genel Fizik II / PHYS 102 - General Physics II													
a	M1	50	50	178	24	64.76	63.63	152	20	85.39	83.33	Yeterli ✓/ Sufficient ✓	83.33
b	M1	50	50	178	24	64.76	63.63	152	20	85.39	83.33	Yeterli ✓/ Sufficient ✓	83.33
e	M1	50	50	178	24	64.76	63.63	152	20	85.39	83.33	Yeterli ✓/ Sufficient ✓	83.33
g	M1	50	50	178	24	64.76	63.63	152	20	85.39	83.33	Yeterli ✓/ Sufficient ✓	83.33
TURK 101 - Türkçe I / TURK 101 - Turkish I													
c	M1	70	60	1373	67	87.67	88.86	1347	65	98.11	97.01	Yeterli ✓/ Sufficient ✓	97.01
g	M1	70	60	1373	67	87.67	88.86	1347	65	98.11	97.01	Yeterli ✓/ Sufficient ✓	97.01
TURK 102 - Türkçe II / TURK 102 - Turkish II													
c	M1	70	60	592	27	88.83	89.77	588	27	99.32	100	Yeterli ✓/ Sufficient ✓	100
g	M1	70	60	592	27	88.83	89.77	588	27	99.32	100	Yeterli ✓/ Sufficient ✓	100

3.3. PERFORMANS ÖLÇÜM SONUÇLARI / PERFORMANCE MEASUREMENT RESULT

3.3.1. PROGRAM ÇIKTILARI PERFORMANS TABLOSU / PROGRAM OUTCOMES PERFORMANCE TABLE

Dersler / Courses	Program Çıktıları / Program Outcomes							
	a	b	c	d	e	f	g	h
CHEM 201	✓							
CS 115	✓							
ENG 101			✓				✓	
ENG 102			✓				✓	
ENG 401			✓				✓	
GE 100			✓	✓			✓	✓
GE 251			✓				✓	✓
GE 301				✓	✓		✓	
HIST 200			✓		✓		✓	
HUM 111			✓				✓	
HUM 112			✓				✓	
MATH 101	✓		✓		✓			
MATH 102	✓		✓		✓			
MATH 220	✓							
MATH 230	✓							
MATH 240	✓							
ME 101	✓				✓			
ME 211	✓					✓		
ME 231	✓					✓		
ME 341	✓							
ME 384	✓	✓			✓	✓		
PHYS 101	✓	✓			✓		✓	
PHYS 102	✓	✓			✓		✓	
TURK 101			✓				✓	
TURK 102			✓				✓	

Tablo.3.3.1. 2025-2026 Akademik Yılı Güz Dönemi Makine Mühendisliği Lisans Programı Program Çıktıları Performans Tablosu / **Table.3.3.1.** 2025-2026 Academic Year Fall Semester Mechanical Engineering Undergraduate Program - Program Outcomes Performance Table

3.3.2. PROGRAM ÇIKTILARI PERFORMANS ORANLARI / PROGRAM ÇIKTILARI PERFORMANS ORANLARI / PROGRAM OUTCOMES PERFORMANCE RATES

Dersler/ Courses	Program Çıktıları / Program Outcomes							
	a	b	c	d	e	f	g	h
CHEM 201	74.56							
CS 115	86.96							
ENG 101			95.71				95.71	
ENG 102			96.43				96.43	
ENG 401			98.41				98.41	
GE 100			100	100			100	100
GE 251			94.74				94.74	94.74
GE 301				100	100		100	
HIST 200			100		100		100	
HUM 111			100				100	
HUM 112			100				100	
MATH 101	77.92		77.92		77.92			
MATH 102	80.77		80.77		80.77			
MATH 220	100							
MATH 230	100							
MATH 240	100							
ME 101	98.57				100			
ME 211	78.95					78.95		
ME 231	97.73					100		
ME 341	77.78							
ME 384	98.36	100			100	85.25		
PHYS 101	95.89	95.89			95.89		95.89	
PHYS 102	83.33	83.33			83.33		83.33	
TURK 101			97.01				97.01	
TURK 102			100				100	

Tablo.3.3.2. 2025-2026 Akademik Yılı Güz Dönemi Makine Mühendisliği Lisans Programı Program Çıktıları Performans Oranları Tablosu / **Table.3.3.2.** 2025-2026 Academic Year Fall Semester Mechanical Engineering Undergraduate Program - Program Outcomes Performance Rates Table