

2023-2024 AKADEMİK
YILI / Academic Year

EĞİTİMDE KALİTE GÜVENCESİ GÜZ DÖNEMİ RAPORU

*QUALITY ASSURANCE IN
EDUCATION FALL SEMESTER
REPORT*

MÜHENDİSLİK FAKÜLTESİ
FACULTY OF ENGINEERING

**ENDÜSTRİ MÜHENDİSLİĞİ LİSANS
PROGRAMI (IE)**
*INDUSTRIAL ENGINEERING UNDERGRADUATE
PROGRAM (IE)*



İÇİNDEKİLER / CONTENTS

1. LİSANS PROGRAMI / UNDERGRADUATE PROGRAM	2
1.1. MÜFREDAT / CURRICULUM.....	2
2. PROGRAM ÇIKTILARI / PROGRAM OUTCOMES	4
2.1. PROGRAM ÇIKTILARININ LİSTESİ / LIST OF PROGRAM OUTCOMES	4
2.2. PROGRAM ÇIKTILARI - DERSLER MATRİSİ / PROGRAM OUTCOMES - COURSES TABLE	6
3. PERFORMANS ÖLÇÜMLERİNDE KULLANILACAK METRİKLER / METRICS TO BE USED IN PERFORMANCE MEASUREMENT	7
3.1. PERFORMANS ÖLÇÜMLERİNDE KULLANILACAK DEĞERLENDİRME METOTLARI / EVALUATION METHODS USED IN PERFORMANCE MEASUREMENTS	7
3.2. PERFORMANS ÖLÇÜMLERİNDE KULLANILAN METOTLAR VE PERFORMANS SONUÇ DETAYLARI / METHODS USED IN PERFORMANCE MEASUREMENTS AND PERFORMANCE RESULT DETAILS	16
3.3. PERFORMANS ÖLÇÜM SONUÇLARI / PERFORMANCE MEASUREMENT RESULTS	20
3.3.1. PROGRAM ÇIKTILARI PERFORMANS TABLOSU / PROGRAM OUTCOMES PERFORMANCE TABLE	20
3.3.2. PROGRAM ÇIKTILARI PERFORMANS ORANLARI / PROGRAM OUTCOMES PERFORMANCE RATES	21

MÜHENDİSLİK FAKÜLTESİ / FACULTY OF ENGINEERING
ENDÜSTRİ MÜHENDİSLİĞİ LİSANS PROGRAMI - IE /
INDUSTRIAL ENGINEERING UNDERGRADUATE PROGRAM - IE

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 / English and Composition I	5	0	3	5
GE 100	Üniversite Hayatına Giriş / Orientation	0	0	1	2
IE 102	Endüstri Mühendisliğinde Süreç Bakış Açısı / A Process Outlook for Industrial Engineering	3	0	3	5
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
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
MATH 132	Sonlu ve Kombinyon Matematik / Discrete and Combinatorial Mathematics	3	0	3	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
CS 115	Python ile Programlamaya Giriş / Introduction to Programming in Python	3	4	4	6,5
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
IE 272	İmalat Süreçleri ve Operasyon Analizleri / Manufacturing Processes and Operations Analysis	4	2	4	6,5
MATH 225	Doğrusal Cebir ve Türevsel Denklemler / Linear Algebra and Differential Equations	4	0	4	6,5
MATH 250	Olasılık Teorisine Giriş / Introduction to Probability	3	0	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
GE 251	Üniversite Etkinlik Programı II / Collegiate Activities Program II	0	0	1	2
HIST 200	Türkiye Tarihi / History of Turkey	3	0	4	6,5
HUM 112	Kültürler, Medeniyetler ve Düşünceler II / Cultures Civilizations and Ideas II	3	0	3	5
IE 202	Modelleme ve Optimizasyona Giriş / Introduction to Modeling and Optimization	4	2	4	6,5
IE 342	Mühendislik Ekonomisi Analizi / Engineering Economic Analysis	3	0	3	5
MATH 260	İstatistiğe Giriş / Introduction to Statistics	3	0	3	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
CS 281	Bilgisayarlar ve Veri Organizasyonu / Computers and Data Organization	3	2	3	5
ECON 207	Mühendisler İçin İktisat Kuramı / Economic Theory for Engineers	3	0	3	5
GE 301	Bilim, Teknoloji ve Toplum / Science Technology and Society	2	0	2	3,5
IE 299	Yaz Stajı I / Summer Training I	0	0	0	7
IE 303	Modelleme ve Optimizasyon Yöntemleri / Modeling and Methods in Optimization	3	0	3	5
IE 325	Stokastik Modeller / Stochastic Models	3	0	3	5
IE 375	Üretim Planlama / Production Planning	3	0	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
ENG 401	Teknik Rapor Yazma ve Sunum / Technical Report Writing and Presentation	3	0	3	5
IE 324	Simülasyon / Simulation	3	2	4	6,5
IE 376	Üretim Bilgi Sistemleri / Production Information Systems	3	0	3	5
IE 496	Üretim Sistemleri Semineri / Seminar in Production Systems	2	0	0	1
	Geniş Seçmeli Ders / Breadth Elective			3	
	Endüstri Mühendisliği Veri, Risk ve Belirsizlik Seçmeli Dersi / IE Elective on Data, Risk and Uncertainty			3	
	Endüstri Mühendisliği Sınırlı Seçmeli Dersi / IE Restricted 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
IE 399	Yaz Stajı II / Summer Training II	0	0	0	7
	Temel Sanat Seçmeli Dersi / Arts Core Elective			3	
	Geniş Seçmeli Ders / Breadth Elective			3	
	Endüstri Mühendisliği Sınırlı Seçmeli Dersi (2) / IE Restricted 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
	Geniş Seçmeli Ders / Breadth Elective			3	
	Endüstri Mühendisliği Sınırlı Seçmeli Dersi (2) / IE Restricted 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								Dersler / Courses	Program Çıktıları / Program Outcomes							
	a	b	c	d	e	f	g	h		a	b	c	d	e	f	g	h
CS 115	✓								IE 324	✓	✓			✓	✓		
CS 281		✓						✓	IE 325	✓							
ECON 207		✓							IE 342	✓			✓				
ENG 101			✓					✓	IE 375	✓	✓		✓				
ENG 102			✓					✓	IE 376	✓	✓		✓	✓		✓	
ENG 401			✓					✓	IE 399	✓	✓	✓	✓	✓	✓	✓	
GE 100			✓	✓				✓	IE 496				✓			✓	
GE 250			✓					✓	MATH 101	✓		✓		✓			
GE 251			✓					✓	MATH 102	✓		✓		✓			
GE 301				✓	✓			✓	MATH 132	✓							
HIST 200			✓		✓			✓	MATH 225	✓							
HUM 111			✓					✓	MATH 250	✓		✓		✓			
HUM 112			✓					✓	MATH 260	✓							
IE 102	✓			✓					PHYS 101	✓	✓			✓		✓	
IE 202	✓	✓			✓				PHYS 102	✓	✓			✓		✓	
IE 272	✓	✓		✓				✓	TURK 101			✓				✓	
IE 299	✓		✓	✓	✓	✓			TURK 102			✓				✓	
IE 303	✓					✓											

Tablo.2.2. Endüstri Mühendisliği Lisans Programı - Program Çıktıları ve Dersler Tablosu / **Table.2.2.** Industrial 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	Midterm:Essay/ written	Project	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
CS 281	b	35	25	40	100	M1	40	75				
	Program Outputs	Homework	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	f	30	70	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					
ECON 207	b	30	30	40	100	M3	40					
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	Oral presentation	Oral presentation	Written Project Proposal	Written Final Report	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
ENG 401	c	15	30	20	35	100	M1	70	80	
	Program Outputs	Oral presentation	Oral presentation	Written Project Proposal	Written Final Report	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	g	15	30	20	35	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				
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
h	100	100	M1	70	70					
Course Code	Program Outputs	Final	Midterm	Project	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
GE 301	d	25	30	30	15	100	M1	45	60	

Course Code	Program Outputs	Final	Midterm	Project	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
GE 301	e	25	30	30	15	100	M1	45	60
	Program Outputs	Final	Midterm	Project	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	g	25	30	30	15	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	Homework	Homework	Quiz	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
IE 102	a	10	25	15	25	25	100	M1	30	75			
	Program Outputs	Homework	Homework	Quiz	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	d	10	25	15	25	25	100	M1	30	75			
Course Code	Program Outputs	In-class participation	In-class participation	In-class participation	In-class participation	Project	Quiz	Quiz	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
IE 202	a	10	10	5	5	30	15	15	10	100	M1	45	
		Qualification Threshold (%)											
		75											
	Program Outputs	Project	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
	b	50	50	100	M1	55	75						
	Program Outputs	In-class participation	In-class participation	In-class participation	In-class participation	In-class participation	In-class participation	In-class participation	In-class participation	Project	Project	Total Contribution	Qualification Calculation Method
e	10	10	10	10	10	10	10	10	15	15	100	M1	
	(Average) Qualification Grade	Qualification Threshold (%)											
		60	75										
Course Code	Program Outputs	Essay	Essay	Essay	Essay	Essay	Project	Quiz	Midterm	Final	Total Contribution	Qualification Calculation Method	
IE 272	a	5	5	5	5	5	15	10	20	30	100	M1	
		(Average) Qualification Grade	Qualification Threshold (%)										
			30	75									
	Program Outputs	Lab work	Lab work	Lab work	Lab work	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	b	20	20	20	20	20	100	M1	30	75			
	Program Outputs	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	d	100	100	M1	30	75							
Program Outputs	Essay	Essay	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
g	25	25	50	100	M1	30	75						

Course Code	Program Outputs	Midterm:Essay/ written	Lab work	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
IE 303	a	30	10	40	20	100	M1	30	75			
	Program Outputs	Midterm:Essay/ written	Lab work	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	f	20	10	50	20	100	M1	30	75			
Course Code	Program Outputs	Term project	Midterm	Lab exam	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
IE 324	a	30	40	15	15	100	M1	30	75			
	Program Outputs	Term project	Lab exam	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	b	30	25	10	25	10	100	M1	30	75		
	Program Outputs	Term project	Lab exam	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	c	60	40	100	M1	30	75					
	Program Outputs	Term project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
	e	100	100	M1	30	75						
	Program Outputs	Term project	Midterm	Final	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
f	20	20	20	20	10	10	10	10	100	M1	30	75
Course Code	Program Outputs	Midterm:Essay/ written	Quiz	Quiz	Quiz	Quiz	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
IE 325	a	35	6	6	6	7	40	100	M1	30	75	
Course Code	Program Outputs	Midterm:Essay/ written	Quiz	Quiz	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
IE 342	a	30	15	15	40	100	M1	25	75			
	Program Outputs	Midterm:Essay/ written	Quiz	Quiz	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	d	30	15	15	40	100	M1	25	75			

Course Code	Program Outputs	Homework	Homework	Homework	Homework	Homework	Homework	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
IE 375	a	7	7	7	7	6	6	30	30	100	M1	30	
		Qualification Threshold (%)											
		75											
	Program Outputs	Homework	Homework	Homework	Homework	Homework	Homework	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	b	8	8	8	8	8	8	30	30	100	M1	30	75
	Program Outputs	Homework	Homework	Homework	Homework	Homework	Homework	Homework	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
d		7	7	7	7	6	6	30	30	100	M1	30	
		Qualification Threshold (%)											
		75											
Course Code	Program Outputs	Project	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
IE 376	a	40	60	100	M1	30	75						
	Program Outputs	Project	Final:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
	b	40	60	100	M1	30	75						
	Program Outputs	Project	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
	d	40	60	100	M1	30	75						
	Program Outputs	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	e	100	100	M1	30	75							
	Program Outputs	Midterm:Essay/ written	Project	Homework	Homework	Homework	Homework	Homework	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
g	32	20	3,5	3,5	3,5	2,5	35	100	M1	30	75		

Course Code	Program Outputs	Midterm	Midterm	Final	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
MATH 101	a	25	25	30	10	10	100	M1	40	50		
	Program Outputs	Midterm	Midterm	Final	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	c	25	25	30	10	10	100	M1	40	50		
	Program Outputs	Midterm	Midterm	Final	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	e	25	25	30	10	10	100	M1	40	50		
Course Code	Program Outputs	Midterm:Essay/written	Midterm	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	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	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	Homework	Homework	Homework	Homework	Homework	Midterm:Essay/written	Midterm:Essay/written	Final:Essay/written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
MATH 132	a	2	2	2	2	2	30	30	30	100	M1	40
		Qualification Threshold (%)										
		50										
Course Code	Program Outputs	Midterm:Essay/written	Final:Essay/written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
MATH 225	a	50	50	100	M1	40	50					

Course Code	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
MATH 250	a	45	46	6	3	100	M1	20	75			
	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	c	45	46	6	3	100	M1	20	75			
	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	e	45	46	6	3	100	M1	20	75			
Course Code	Program Outputs	Homework	Homework	Homework	Homework	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
MATH 260	a	3,75	3,75	3,75	3,75	40	45	100	M1	30	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	

Course Code	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 102	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				
Course Code	Program Outputs	Blog	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
TURK 101	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 = Bölüm tarafından belirlenmiş olan başarılı sayılabilecek minimum not / G = Minimum grade that can be considered successful as determined by the department
- T = Program çıktısı başarısı için eşik değer / T = Threshold value for program output success
- M1: Öğrencilerin %T'sinin not ortalamasının G veya üzerinde olması / M1: T% of students have a grade point average of G or above
- M2: Öğrencilerin %T'sinin bölüm ortalaması üzerinde not almış olması / M2: %T of students have received grades above the department average
- M3: Öğrencilerin not ortalamasının G veya üzerinde olması / M3: Students' grade point average should be G or above
- M4: Öğrencilerin %T'sinin not ortalamasının dersi alan tüm öğrencilerin ortalamasına eşit veya daha yüksek olması / M4: The GPA of %T of students is equal to or higher than the average of all students taking the course

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
CS 115 - Python ile Programlamaya Giriş / CS 115 - Introduction to Programming in Python													
a	M1	40	75	351	83	69.76	64.76	346	81	98.58	97.59	Yeterli ✓ / Sufficient ✓	97.59
CS 281 - Bilgisayarlar ve Veri Organizasyonu / CS 281 - Computers and Data Organization													
b	M1	40	75	146	128	75.39	75.22	146	128	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
f	M1	40	75	146	128	88.21	88.44	146	128	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
ECON 207 - Mühendisler için İktisat Kuramı / ECON 207 - Economic Theory for Engineers													
b	M3	40		112	107	75.81	75.68	111	106	99.11	99.07	Yeterli ✓ / Sufficient ✓	75.68
ENG 101 - İngilizce ve Kompozisyon I / ENG 101 - English and Composition I													
c	M1	70	75	1698	121	82.20	84.26	1560	117	91.87	96.69	Yeterli ✓ / Sufficient ✓	96.69
g	M1	70	75	1698	121	82.20	84.26	1560	117	91.87	96.69	Yeterli ✓ / Sufficient ✓	96.69
ENG 102 - İngilizce ve Kompozisyon II / ENG 102 - English and Composition II													
c	M1	70	70	543	48	85.44	88.64	526	48	96.87	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	70	70	543	48	85.44	88.64	526	48	96.87	100.00	Yeterli ✓ / Sufficient ✓	100.00
ENG 401 - Teknik Rapor Yazma ve Sunum / ENG 401 - Technical Report Writing and Presentation													
c	M1	70	80	266	58	88.72	88.03	266	58	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	70	80	266	58	88.72	88.03	266	58	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
GE 100 - Üniversite Hayatına Giriş / GE 100 - Orientation													
c	M1	12	80	1681	122	97.14	98.77	1681	122	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
d	M1	12	80	1681	122	97.14	98.77	1681	122	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	12	80	1681	122	97.14	98.77	1681	122	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
h	M1	12	80	1681	122	97.14	98.77	1681	122	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
GE 251 - Üniversite Etkinlik Programı II / GE 251 - Collegiate Activities Program II													
c	M1	70	70	838	62	93.01	94.19	776	59	92.60	95.16	Yeterli ✓ / Sufficient ✓	95.16
g	M1	70	70	838	62	93.01	94.19	776	59	92.60	95.16	Yeterli ✓ / Sufficient ✓	95.16
h	M1	70	70	838	62	93.01	94.19	776	59	92.60	95.16	Yeterli ✓ / Sufficient ✓	95.16
GE 301 - Bilim, Teknoloji ve Toplum / GE 301 - Science Technology and Society													
d	M1	45	60	366	128	82.99	81.42	366	128	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
e	M1	45	60	366	128	82.99	81.42	366	128	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	45	60	366	128	82.99	81.42	366	128	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
HIST 200 - Türkiye Tarihi / HIST 200 - History of Turkey													
c	M1	70	75	1055	64	93.35	93.90	1044	64	98.96	100.00	Yeterli ✓ / Sufficient ✓	100.00
e	M1	70	75	1055	64	93.35	93.90	1044	64	98.96	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	70	75	1055	64	93.35	93.90	1044	64	98.96	100.00	Yeterli ✓ / Sufficient ✓	100.00
HUM 111 - Kültürler, Medeniyetler ve Düşünceler I / HUM 111 - Cultures Civilizations and Ideas I													
c	M1	60	75	1110	110	83.62	83.41	1099	109	99.01	99.09	Yeterli ✓ / Sufficient ✓	99.09
g	M1	60	75	1110	110	83.62	83.41	1099	109	99.01	99.09	Yeterli ✓ / Sufficient ✓	99.09
HUM 112 - Kültürler, Medeniyetler ve Düşünceler II / HUM 112 - Cultures Civilizations and Ideas II													
c	M1	60	75	238	27	83.67	81.62	237	27	99.58	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	60	75	238	27	83.67	81.62	237	27	99.58	100.00	Yeterli ✓ / Sufficient ✓	100.00
IE 102 - Endüstri Mühendisliğinde Süreç Bakış Açısı / IE 102 - A Process Outlook for Industrial Engineering													
a	M1	30	75	148	132	74.02	74.61	148	132	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
d	M1	30	75	148	132	75.80	75.73	148	132	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
IE 202 - Modelleme ve Optimizasyona Giriş / IE 202 - Introduction to Modeling and Optimization													
a	M1	45	75	68	65	61.78	60.72	57	54	83.82	83.08	Yeterli ✓ / Sufficient ✓	83.08
b	M1	55	75	68	65	59.25	57.84	42	39	61.76	60.00	İyileştirmeye Açık! / Insufficient!	60.00
e	M1	60	75	68	65	68.42	67.82	52	49	76.47	75.38	Yeterli ✓ / Sufficient ✓	75.38
IE 272 - İmalat Süreçleri ve Operasyon Analizleri / IE 272 - Manufacturing Processes and Operations Analysis													
a	M1	30	75	108	108	71.78	71.78	108	108	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
b	M1	30	75	108	108	97.07	97.07	107	107	99.07	99.07	Yeterli ✓ / Sufficient ✓	99.07
d	M1	30	75	108	108	89.46	89.46	108	108	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	30	75	108	108	85.87	85.87	108	108	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
IE 303 - Modelleme ve Optimizasyon Yöntemleri / IE 303 - Modeling and Methods in Optimization													
a	M1	30	75	123	122	52.98	53.00	120	119	97.56	97.54	Yeterli ✓ / Sufficient ✓	97.54
f	M1	30	75	123	122	52.89	52.90	120	119	97.56	97.54	Yeterli ✓ / Sufficient ✓	97.54
IE 324 - Simülasyon / IE 324 - Simulation													
a	M1	30	75	74	73	70.47	70.53	74	73	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
b	M1	30	75	74	73	70.67	70.88	71	70	95.95	95.89	Yeterli ✓ / Sufficient ✓	95.89
c	M1	30	75	74	73	66.34	66.39	73	72	98.65	98.63	Yeterli ✓ / Sufficient ✓	98.63
e	M1	30	75	74	73	71.39	71.63	74	73	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
f	M1	30	75	74	73	69.39	69.52	74	73	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
IE 325 - Stokastik Modeller / IE 325 - Stochastic Models													
a	M1	30	75	127	122	59.94	59.39	127	122	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
IE 342 - Mühendislik Ekonomisi Analizi / IE 342 - Engineering Economic Analysis													
a	M1	25	75	98	54	57.85	55.26	97	53	98.98	98.15	Yeterli ✓ / Sufficient ✓	98.15
d	M1	25	75	98	54	57.85	55.26	97	53	98.98	98.15	Yeterli ✓ / Sufficient ✓	98.15
IE 375 - Üretim Planlama / IE 375 - Production Planning													
a	M1	30	75	124	123	69.25	69.27	124	123	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
b	M1	30	75	124	123	69.23	69.25	124	123	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
d	M1	30	75	124	123	69.25	69.27	124	123	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
IE 376 - Üretim Bilgi Sistemleri / IE 376 - Production Information Systems													
a	M1	30	75	60	60	68.12	68.12	60	60	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
b	M1	30	75	60	60	68.12	68.12	60	60	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
d	M1	30	75	60	60	68.12	68.12	60	60	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
e	M1	30	75	60	60	87.78	87.78	60	60	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	30	75	60	60	66.30	66.30	60	60	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
MATH 101 - Matematik I / MATH 101 - Calculus I													
a	M1	40	50	741	144	65.46	63.35	686	137	92.58	95.14	Yeterli ✓ / Sufficient ✓	95.14
c	M1	40	50	741	144	65.46	63.35	686	137	92.58	95.14	Yeterli ✓ / Sufficient ✓	95.14
e	M1	40	50	741	144	65.46	63.35	686	137	92.58	95.14	Yeterli ✓ / Sufficient ✓	95.14
MATH 102 - Matematik II / MATH 102 - Calculus II													
a	M1	40	50	215	44	54.07	48.43	156	29	72.56	65.91	Yeterli ✓ / Sufficient ✓	65.91
c	M1	40	50	215	44	54.07	48.43	156	29	72.56	65.91	Yeterli ✓ / Sufficient ✓	65.91
e	M1	40	50	215	44	54.07	48.43	156	29	72.56	65.91	Yeterli ✓ / Sufficient ✓	65.91
MATH 132 - Sonlu ve Kombinasyonel Matematik / MATH 132 - Discrete and Combinatorial Mathematics													
a	M1	40	50	178	77	57.34	50.34	150	62	84.27	80.52	Yeterli ✓ / Sufficient ✓	80.52
MATH 225 - Doğrusal Cebir ve Türevsel Denklemler / MATH 225 - Linear Algebra and Differential Equations													
a	M1	40	50	206	121	45.79	43.97	118	67	57.28	55.37	Yeterli ✓ / Sufficient ✓	55.37
MATH 250 - Olasılık Teorisine Giriş / MATH 250 - Introduction to Probability													
a	M1	20	75	143	130	44.28	41.82	130	117	90.91	90.00	Yeterli ✓ / Sufficient ✓	90.00
c	M1	20	75	143	130	44.28	41.82	130	117	90.91	90.00	Yeterli ✓ / Sufficient ✓	90.00
e	M1	20	75	143	130	44.28	41.82	130	117	90.91	90.00	Yeterli ✓ / Sufficient ✓	90.00
MATH 260 - İstatistiğe Giriş / MATH 260 - Introduction to Statistics													
a	M1	30	75	80	53	54.20	52.01	75	51	93.75	96.23	Yeterli ✓ / Sufficient ✓	96.23

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
PHYS 101 - Genel Fizik I / PHYS 101 - General Physics I													
a	M1	50	50	663	137	68.54	64.30	598	123	90.20	89.78	Yeterli ✓ / Sufficient ✓	89.78
b	M1	50	50	663	137	68.54	64.30	598	123	90.20	89.78	Yeterli ✓ / Sufficient ✓	89.78
e	M1	50	50	663	137	68.54	64.30	598	123	90.20	89.78	Yeterli ✓ / Sufficient ✓	89.78
g	M1	50	50	663	137	68.54	64.30	598	123	90.20	89.78	Yeterli ✓ / Sufficient ✓	89.78
PHYS 102 - Genel Fizik II / PHYS 102 - General Physics II													
a	M1	50	50	135	39	63.16	55.44	107	22	79.26	56.41	Yeterli ✓ / Sufficient ✓	56.41
b	M1	50	50	135	39	63.16	55.44	107	22	79.26	56.41	Yeterli ✓ / Sufficient ✓	56.41
e	M1	50	50	135	39	63.16	55.44	107	22	79.26	56.41	Yeterli ✓ / Sufficient ✓	56.41
g	M1	50	50	135	39	63.16	55.44	107	22	79.26	56.41	Yeterli ✓ / Sufficient ✓	56.41
TURK 101 - Türkçe I / TURK 101 - Turkish I													
c	M1	70	60	1516	123	87.68	88.49	1493	122	98.48	99.19	Yeterli ✓ / Sufficient ✓	99.19
g	M1	70	60	1516	123	87.68	88.49	1493	122	98.48	99.19	Yeterli ✓ / Sufficient ✓	99.19

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	h
CS 115	✓							
CS 281		✓				✓		
ECON 207		✓						
ENG 101			✓				✓	
ENG 102			✓				✓	
ENG 401			✓				✓	
GE 100			✓	✓			✓	✓
GE 251			✓				✓	✓
GE 301				✓	✓		✓	
HIST 200			✓		✓		✓	
HUM 111			✓				✓	
HUM 112			✓				✓	
IE 102	✓			✓				
IE 202	✓	X			✓			
IE 272	✓	✓		✓			✓	
IE 303	✓					✓		
IE 324	✓	✓	✓		✓	✓		
IE 325	✓							
IE 342	✓			✓				
IE 375	✓	✓		✓				
IE 376	✓	✓		✓	✓		✓	
MATH 101	✓		✓		✓			
MATH 102	✓		✓		✓			
MATH 132	✓							
MATH 225	✓							
MATH 250	✓		✓		✓			
MATH 260	✓							
PHYS 101	✓	✓			✓		✓	
PHYS 102	✓	✓			✓		✓	
TURK 101			✓				✓	

Tablo.3.3.1. 2023-2024 Akademik Yılı Güz Dönemi Endüstri Mühendisliği Lisans Programı Program Çıktıları Performans Tablosu / *Table.3.3.1. 2023-2024 Academic Year Fall Semester Industrial 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	h
CS 115	97.59							
CS 281		100.00				100.00		
ECON 207		75.68						
ENG 101			96.69				96.69	
ENG 102			100.00				100.00	
ENG 401			100.00				100.00	
GE 100			100.00	100.00			100.00	100.00
GE 251			95.16				95.16	95.16
GE 301				100.00	100.00		100.00	
HIST 200			100.00		100.00		100.00	
HUM 111			99.09				99.09	
HUM 112			100.00				100.00	
IE 102	100.00			100.00				
IE 202	83.08	60.00			75.38			
IE 272	100.00	99.07		100.00			100.00	
IE 303	97.54					97.54		
IE 324	100.00	95.89	98.63		100.00	100.00		
IE 325	100.00							
IE 342	98.15			98.15				
IE 375	100.00	100.00		100.00				
IE 376	100.00	100.00		100.00	100.00		100.00	
MATH 101	95.14		95.14		95.14			
MATH 102	65.91		65.91		65.91			
MATH 132	80.52							
MATH 225	55.37							
MATH 250	90.00		90.00		90.00			
MATH 260	96.23							
PHYS 101	89.78	89.78			89.78		89.78	
PHYS 102	56.41	56.41			56.41		56.41	
TURK 101			99.19				99.19	

Tablo.3.3.2. 2023-2024 Akademik Yılı Güz Dönemi Endüstri Mühendisliği Lisans Programı Program Çıktıları Performans Oranları Tablosu / *Table.3.3.2. 2023-2024 Academic Year Fall Semester Industrial Engineering Undergraduate Program - Program Outcomes Performance Rates Table*