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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)*



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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 Kombinasyonel 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	Homework	Homework	Homework	Homework	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade		
ECON 207	b	5	5	5	5	37,5	37,5	5	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	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					

Course Code	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
GE 251	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	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	Quiz	Quiz	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
IE 102	a	20	20	30	30	100	M1	30	75				
	Program Outputs	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
	d	50	50	100	M1	30	75						
Course Code	Program Outputs	Lab work	Lab work	Quiz	Final	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
IE 202	a	10	10	30	40	10	100	M1	30	75			
	Program Outputs	In-class participation	In-class participation	In-class participation	In-class participation	In-class participation	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	e	17	17	15	17	17	17	100	M1	30	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	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
b	20	20	20	20	20	20	100	M1	30	75			

Course Code	Program Outputs	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
IE 272	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	Quiz	Quiz	Quiz	Quiz	Final:Essay/written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
IE 303	a	40	5	5	5	5	40	100	M1	30	75		
	Program Outputs	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	f	100	100	M1	30	75							
Course Code	Program Outputs	Term project	Midterm	Final	Lab exam	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
IE 324	a	15	20	20	15	2,5	15	10	2,5	100	M1	30	
		Qualification Threshold (%)											
		75											
	Program Outputs	Term project	Lab exam	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
	b	40	40	10	10	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	Lab exam	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
	f	20	20	20	10	2,5	15	10	2,5	100	M1	30	
		Qualification Threshold (%)											
75													

Course Code	Program Outputs	Midterm:Essay/ written	Quiz	Quiz	Quiz	Quiz	Final:Essay/writ ten	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	30	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	30	75				
Course Code	Program Outputs	Homework	Homework	Homework	Homework	Homework	Midterm	Midterm	Final:Essay/writ ten	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
IE 375	a	2	2	2	2	2	25	30	35	100	M1	30	
		Qualification Threshold (%)											
		75											
	Program Outputs	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	b	100	100	M1	30	75							
Program Outputs	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)								
d	100	100	M1	30	75								
Course Code	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Project	Final:Essay/writ ten	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
IE 376	a	20	20	20	40	100	M1	30	75				
	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Project	Final:Essay/writ ten	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
	b	10	10	40	40	100	M1	30	75				

Course Code	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Project	Homework	Homework	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
IE 376	d	10	10	50	5	5	20	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	Midterm:Essay/ written	Project	Homework	Homework	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	g	25	25	10	2,5	2,5	35	100	M1	30	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	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
MATH 132	a	33	33	34	100	M1	40	50						
Course Code	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Homework	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
MATH 225	a	40	40	4	4	4	4	4	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/writ ten	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
MATH 260	a	4	4	3	4	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	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			

Course Code	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 101	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 = 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 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 (%)/ 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
CS 115 - Python ile Programlamaya Giriş / CS 115 - Introduction to Programming in Python													
a	M1	40	75	361	96	67.28	64.95	338	89	93.63	92.71	Yeterli ✓ / Sufficient ✓	92.71
CS 281 - Bilgisayarlar ve Veri Organizasyonu / CS 281 - Computers and Data Organization													
b	M1	40	75	131	121	79.92	79.97	131	121	100	100	Yeterli ✓ / Sufficient ✓	100
f	M1	40	75	131	121	89.92	90.03	131	121	100	100	Yeterli ✓ / Sufficient ✓	100
ECON 207 - Mühendisler İçin İktisat Kuramı / ECON 207 - Economic Theory for Engineers													
b	M3	40		123	115	68.69	69.06	112	105	91.06	91.3	Yeterli ✓ / Sufficient ✓	69.06
ENG 101 - İngilizce ve Kompozisyon I / ENG 101 - English and Composition I													
c	M1	70	75	1478	126	83.35	85.8	1377	122	93.17	96.83	Yeterli ✓ / Sufficient ✓	96.83
g	M1	70	75	1478	126	83.35	85.8	1377	122	93.17	96.83	Yeterli ✓ / Sufficient ✓	96.83
ENG 102 - İngilizce ve Kompozisyon II / ENG 102 - English and Composition II													
c	M1	70	70	535	41	86.02	85.88	521	38	97.38	92.68	Yeterli ✓ / Sufficient ✓	92.68
g	M1	70	70	535	41	86.02	85.88	521	38	97.38	92.68	Yeterli ✓ / Sufficient ✓	92.68
ENG 401 - Teknik Rapor Yazma ve Sunum / ENG 401 - Technical Report Writing and Presentation													
c	M1	70	80	322	63	90.17	90.16	317	63	98.45	100	Yeterli ✓ / Sufficient ✓	100
g	M1	70	80	322	63	90.17	90.16	317	63	98.45	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 100 - Üniversite Hayatına Giriş / GE 100 - Orientation													
c	M1	12	80	1518	127	96.71	99.17	1518	127	100	100	Yeterli ✓ / Sufficient ✓	100
d	M1	12	80	1518	127	96.71	99.17	1518	127	100	100	Yeterli ✓ / Sufficient ✓	100
g	M1	12	80	1518	127	96.71	99.17	1518	127	100	100	Yeterli ✓ / Sufficient ✓	100
h	M1	12	80	1518	127	96.71	99.17	1518	127	100	100	Yeterli ✓ / Sufficient ✓	100
GE 251 - Üniversite Etkinlik Programı II / GE 251 - Collegiate Activities Program II													
c	M1	70	70	889	74	92.49	93.18	799	69	89.88	93.24	Yeterli ✓ / Sufficient ✓	93.24
g	M1	70	70	889	74	92.49	93.18	799	69	89.88	93.24	Yeterli ✓ / Sufficient ✓	93.24
h	M1	70	70	889	74	92.49	93.18	799	69	89.88	93.24	Yeterli ✓ / Sufficient ✓	93.24
GE 301 - Bilim, Teknoloji ve Toplum / GE 301 - Science Technology and Society													
d	M1	45	60	358	131	85.47	84.58	358	131	100	100	Yeterli ✓ / Sufficient ✓	100
e	M1	45	60	358	131	85.47	84.58	358	131	100	100	Yeterli ✓ / Sufficient ✓	100
g	M1	45	60	358	131	85.47	84.58	358	131	100	100	Yeterli ✓ / Sufficient ✓	100
HIST 200 - Türkiye Tarihi / HIST 200 - History of Turkey													
c	M1	70	75	1022	51	91.01	93.15	1006	51	98.43	100	Yeterli ✓ / Sufficient ✓	100
e	M1	70	75	1022	51	91.01	93.15	1006	51	98.43	100	Yeterli ✓ / Sufficient ✓	100
g	M1	70	75	1022	51	91.01	93.15	1006	51	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	135	83.63	83.99	1262	133	99.14	98.52	Yeterli ✓ / Sufficient ✓	98.52
g	M1	60	75	1273	135	83.63	83.99	1262	133	99.14	98.52	Yeterli ✓ / Sufficient ✓	98.52

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
HUM 112 - Kùltürler, Medeniyetler ve Düşünceler II / HUM 112 - Cultures Civilizations and Ideas II													
c	M1	60	75	289	37	83.97	84.82	285	37	98.62	100	Yeterli ✓ / Sufficient ✓	100
g	M1	60	75	289	37	83.97	84.82	285	37	98.62	100	Yeterli ✓ / Sufficient ✓	100
IE 102 - Endüstri Mühendisliğinde Süreç Bakış Açısı / IE 102 - A Process Outlook for Industrial Engineering													
a	M1	30	75	144	133	70.04	70.12	144	133	100	100	Yeterli ✓ / Sufficient ✓	100
d	M1	30	75	144	133	64.35	64.55	144	133	100	100	Yeterli ✓ / Sufficient ✓	100
IE 202 - Modelleme ve Optimizasyona Giriş / IE 202 - Introduction to Modeling and Optimization													
a	M1	30	75	77	74	55.26	55.24	75	72	97.4	97.3	Yeterli ✓ / Sufficient ✓	97.3
e	M1	30	75	77	74	67.64	68.09	75	73	97.4	98.65	Yeterli ✓ / Sufficient ✓	98.65
IE 272 - İmalat Süreçleri ve Operasyon Analizleri / IE 272 - Manufacturing Processes and Operations Analysis													
a	M1	30	75	112	112	70.73	70.73	112	112	100	100	Yeterli ✓ / Sufficient ✓	100
b	M1	30	75	112	112	94.69	94.69	111	111	99.11	99.11	Yeterli ✓ / Sufficient ✓	99.11
d	M1	30	75	112	112	83.96	83.96	112	112	100	100	Yeterli ✓ / Sufficient ✓	100
g	M1	30	75	112	112	78.23	78.23	112	112	100	100	Yeterli ✓ / Sufficient ✓	100
IE 303 - Modelleme ve Optimizasyon Yöntemleri / IE 303 - Modeling and Methods in Optimization													
a	M1	30	75	116	115	64.92	64.93	116	115	100	100	Yeterli ✓ / Sufficient ✓	100
f	M1	30	75	116	115	88.63	88.66	116	115	100	100	Yeterli ✓ / Sufficient ✓	100
IE 324 - Simülasyon / IE 324 - Simulation													
a	M1	30	75	45	45	64.32	64.32	45	45	100	100	Yeterli ✓ / Sufficient ✓	100
b	M1	30	75	45	45	73.87	73.87	44	44	97.78	97.78	Yeterli ✓ / Sufficient ✓	97.78

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
IE 324 - Simülasyon / IE 324 - Simulation													
e	M1	30	75	45	45	86.56	86.56	45	45	100	100	Yeterli ✓ / Sufficient ✓	100
f	M1	30	75	45	45	65.74	65.74	45	45	100	100	Yeterli ✓ / Sufficient ✓	100
IE 325 - Stokastik Modeller / IE 325 - Stochastic Models													
a	M1	30	75	165	144	63.53	62.1	165	144	100	100	Yeterli ✓ / Sufficient ✓	100
IE 342 - Mühendislik Ekonomisi Analizi / IE 342 - Engineering Economic Analysis													
a	M1	30	75	173	63	64.64	61.48	170	62	98.27	98.41	Yeterli ✓ / Sufficient ✓	98.41
d	M1	30	75	173	63	64.64	61.48	170	62	98.27	98.41	Yeterli ✓ / Sufficient ✓	98.41
IE 375 - Üretim Planlama / IE 375 - Production Planning													
a	M1	30	75	113	113	69.87	69.87	113	113	100	100	Yeterli ✓ / Sufficient ✓	100
b	M1	30	75	113	113	70.93	70.93	111	111	98.23	98.23	Yeterli ✓ / Sufficient ✓	98.23
d	M1	30	75	113	113	70.93	70.93	111	111	98.23	98.23	Yeterli ✓ / Sufficient ✓	98.23
IE 376 - Üretim Bilgi Sistemleri / IE 376 - Production Information Systems													
a	M1	30	75	75	75	70.49	70.49	75	75	100	100	Yeterli ✓ / Sufficient ✓	100
b	M1	30	75	75	75	72.44	72.44	75	75	100	100	Yeterli ✓ / Sufficient ✓	100
d	M1	30	75	75	75	75.44	75.44	75	75	100	100	Yeterli ✓ / Sufficient ✓	100
e	M1	30	75	75	75	80.62	80.62	75	75	100	100	Yeterli ✓ / Sufficient ✓	100
g	M1	30	75	75	75	70.23	70.23	75	75	100	100	Yeterli ✓ / Sufficient ✓	100

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / 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 101 - Matematik I / MATH 101 - Calculus I													
a	M1	40	50	690	142	55.03	54.03	547	117	79.28	82.39	Yeterli ✓ / Sufficient ✓	82.39
c	M1	40	50	690	142	55.03	54.03	547	117	79.28	82.39	Yeterli ✓ / Sufficient ✓	82.39
e	M1	40	50	690	142	55.03	54.03	547	117	79.28	82.39	Yeterli ✓ / Sufficient ✓	82.39
MATH 102 - Matematik II / MATH 102 - Calculus II													
a	M1	40	50	183	37	59.14	55.35	150	32	81.97	86.49	Yeterli ✓ / Sufficient ✓	86.49
c	M1	40	50	183	37	59.14	55.35	150	32	81.97	86.49	Yeterli ✓ / Sufficient ✓	86.49
e	M1	40	50	183	37	59.14	55.35	150	32	81.97	86.49	Yeterli ✓ / Sufficient ✓	86.49
MATH 132 - Sonlu ve Kombinyonal Matematik / MATH 132 - Discrete and Combinatorial Mathematics													
a	M1	40	50	155	69	63.28	57.79	144	62	92.9	89.86	Yeterli ✓ / Sufficient ✓	89.86
MATH 225 - Doğrusal Cebir ve Türevsel Denklemler / MATH 225 - Linear Algebra and Differential Equations													
a	M1	40	50	230	129	62.43	61.52	206	112	89.57	86.82	Yeterli ✓ / Sufficient ✓	86.82
MATH 250 - Olasılık Teorisine Giriş / MATH 250 - Introduction to Probability													
a	M1	20	75	141	118	42.17	40.56	128	106	90.78	89.83	Yeterli ✓ / Sufficient ✓	89.83
c	M1	20	75	141	118	42.17	40.56	128	106	90.78	89.83	Yeterli ✓ / Sufficient ✓	89.83
e	M1	20	75	141	118	42.17	40.56	128	106	90.78	89.83	Yeterli ✓ / Sufficient ✓	89.83
MATH 260 - İstatistiğe Giriş / MATH 260 - Introduction to Statistics													
a	M1	30	75	102	75	56.71	53.06	102	75	100	100	Yeterli ✓ / Sufficient ✓	100

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / 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	638	135	73.77	73.53	613	133	96.08	98.52	Yeterli ✓ / Sufficient ✓	98.52
b	M1	50	50	638	135	73.77	73.53	613	133	96.08	98.52	Yeterli ✓ / Sufficient ✓	98.52
e	M1	50	50	638	135	73.77	73.53	613	133	96.08	98.52	Yeterli ✓ / Sufficient ✓	98.52
g	M1	50	50	638	135	73.77	73.53	613	133	96.08	98.52	Yeterli ✓ / Sufficient ✓	98.52
PHYS 102 - Genel Fizik II / PHYS 102 - General Physics II													
a	M1	50	50	179	40	64.59	57.23	152	29	84.92	72.5	Yeterli ✓ / Sufficient ✓	72.5
b	M1	50	50	179	40	64.59	57.23	152	29	84.92	72.5	Yeterli ✓ / Sufficient ✓	72.5
e	M1	50	50	179	40	64.59	57.23	152	29	84.92	72.5	Yeterli ✓ / Sufficient ✓	72.5
g	M1	50	50	179	40	64.59	57.23	152	29	84.92	72.5	Yeterli ✓ / Sufficient ✓	72.5
TURK 101 - Türkçe I / TURK 101 - Turkish I													
c	M1	70	60	1373	126	87.67	89.89	1347	125	98.11	99.21	Yeterli ✓ / Sufficient ✓	99.21
g	M1	70	60	1373	126	87.67	89.89	1347	125	98.11	99.21	Yeterli ✓ / Sufficient ✓	99.21
TURK 102 - Türkçe II / TURK 102 - Turkish II													
c	M1	70	60	592	47	88.83	89.44	588	47	99.32	100	Yeterli ✓ / Sufficient ✓	100
g	M1	70	60	592	47	88.83	89.44	588	47	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								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			✓				✓		MATH 101	✓		✓		✓			
GE 100			✓	✓			✓	✓	MATH 102	✓		✓		✓			
GE 251			✓				✓	✓	MATH 132	✓							
GE 301				✓	✓		✓		MATH 225	✓							
HIST 200			✓		✓		✓		MATH 250	✓		✓		✓			
HUM 111			✓				✓		MATH 260	✓							
HUM 112			✓				✓		PHYS 101	✓	✓			✓		✓	
IE 102	✓			✓					PHYS 102	✓	✓			✓		✓	
IE 202	✓				✓				TURK 101			✓				✓	
IE 272	✓	✓		✓			✓		TURK 102			✓				✓	
IE 303	✓					✓											

Tablo.3.3.1. 2025-2026 Akademik Yılı Güz Dönemi Endüstri Mühendisliği Lisans Programı Program Çıktıları Performans Tablosu / *Table.3.3.1.*
2025-2026 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								Dersler / Courses	Program Çıktıları / Program Outcomes							
	a	b	c	d	e	f	g	h		a	b	c	d	e	f	g	h
CS 115	92.71								IE 324	100	97.78			100	100		
CS 281		100				100			IE 325	100							
ECON 207		69.06							IE 342	98.41			98.41				
ENG 101			96.83				96.83		IE 375	100	98.23		98.23				
ENG 102			92.68				92.68		IE 376	100	100		100	100		100	
ENG 401			100				100		MATH 101	82.39		82.39		82.39			
GE 100			100	100			100	100	MATH 102	86.49		86.49		86.49			
GE 251			93.24				93.24	93.24	MATH 132	89.86							
GE 301				100	100		100		MATH 225	86.82							
HIST 200			100		100		100		MATH 250	89.83		89.83		89.83			
HUM 111			98.52				98.52		MATH 260	100							
HUM 112			100				100		PHYS 101	98.52	98.52			98.52		98.52	
IE 102	100			100					PHYS 102	72.5	72.5			72.5		72.5	
IE 202	97.3				98.65				TURK 101			99.21				99.21	
IE 272	100	99.11		100			100		TURK 102			100				100	
IE 303	100					100											

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