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

MÜHENDİSLİK FAKÜLTESİ
FACULTY OF ENGINEERING

BİLGİSAYAR MÜHENDİSLİĞİ LİSANS
PROGRAMI (CS)
*COMPUTER ENGINEERING
UNDERGRADUATE PROGRAM (CS)*



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MÜHENDİSLİK FAKÜLTESİ / FACULTY OF ENGINEERING
BİLGİSAYAR MÜHENDİSLİĞİ LİSANS PROGRAMI - CS /
COMPUTER ENGINEERING UNDERGRADUATE PROGRAM - CS

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
CS 101	Algoritmalar ve Programlama I / Algorithms and Programming I	3	4	4	6,5
ENG 101	İngilizce ve Kompozisyon I / English and Composition I	5	0	3	5
GE 100	Üniversite Hayatına Giriş / Orientation	0	0	1	2
MATH 101	Matematik I / Calculus I	4	0	4	6,5
MBG 110	Modern Biyolojiye Giriş / Introduction to Modern Biology	3	0	3	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
CS 102	Algoritmalar ve Programlama II / Algorithms and Programming II	3	4	4	6,5
ENG 102	İngilizce ve Kompozisyon II / English and Composition II	5	0	3	5
MATH 102	Matematik II / Calculus II	4	0	4	6,5
MATH 132	Sonlu ve Kombinyon Matematik / Discrete and Combinatorial Mathematics	3	0	3	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 201	Bilgisayar Biliminin Temelleri I / <i>Fundamental Structures of Computer Science I</i>	3	0	3	5
CS 223	Sayısal Devre Tasarımı / <i>Digital Design</i>	3	4	4	6,5
GE 250	Üniversite Etkinlik Programı I / <i>Collegiate Activities Program I</i>	0	0	0	1
HIST 200	Türkiye Tarihi / <i>History of Turkey</i>	3	0	4	6,5
HUM 111	Kültürler, Medeniyetler ve Düşünceler I / <i>Cultures Civilizations and Ideas I</i>	3	0	3	5
PHYS 101	Genel Fizik I / <i>General Physics I</i>	3	3	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
CS 202	Bilgisayar Biliminin Temelleri II / <i>Fundamental Structures of Computer Science II</i>	3	0	3	5
CS 224	Bilgisayar Yapısı / <i>Computer Organization</i>	3	4	4	6,5
GE 251	Üniversite Etkinlik Programı II / <i>Collegiate Activities Program II</i>	0	0	1	2
HUM 112	Kültürler, Medeniyetler ve Düşünceler II / <i>Cultures Civilizations and Ideas II</i>	3	0	3	5
MATH 225	Doğrusal Cebir ve Türevsel Denklemler / <i>Linear Algebra and Differential Equations</i>	4	0	4	6,5
PHYS 102	Genel Fizik II / <i>General Physics II</i>	3	3	4	6,5

Üçüncü Yıl / Third Year					
Güz Dönemi / Fall Semester					
Ders Kod / Course Code	Ders Adı / Course Name	Saatler / Hours		Kredi / Credits	
		Ders / Lecture	Lab / Stüdyo / Diğer / Lab / Studio / Others	Bilkent	ECTS
CS 299	Yaz Stajı I / <i>Summer Training I</i>	0	0	0	7
CS 315	Programlama Dilleri / <i>Programming Languages</i>	3	0	3	5
CS 319	Nesneye Yönelik Yazılım Mühendisliği / <i>Object-Oriented Software Engineering</i>	3	0	4	6,5
ENG 401	Teknik Rapor Yazma ve Sunum / <i>Technical Report Writing and Presentation</i>	3	0	3	5
MATH 230	Mühendisler İçin Olasılık ve İstatistik / <i>Probability and Statistics for Engineers</i>	3	0	3	5
	Temel Sosyal Bilimler Seçmeli Dersi / <i>Social Science Core 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
CS 342	İşletim Sistemleri / <i>Operating Systems</i>	3	0	4	6,5
CS 353	Veri Tabanı Sistemleri / <i>Database Systems</i>	3	0	3	5
CS 473	Algoritmalar I / <i>Algorithms I</i>	3	0	3	5
GE 301	Bilim, Teknoloji ve Toplum / <i>Science Technology and Society</i>	2	0	2	3,5
	Temel Sanat Seçmeli Dersi / <i>Arts Core Elective</i>			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
CS 399	Yaz Stajı II / Summer Training II	0	0	0	7
IE 400	Mühendislik Yönetiminin İlkeleri / Principles of Engineering Management	3	0	3	5
	Mühendislik Seçmeli / Engineering Elective			3	
	Genel Seçmeli Ders / General Elective			3	
	Proje Seçmeli Dersi / Project Elective			3	
	Teknik Seçmeli Ders (2) / Technical Elective (2)			6	
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 476	Otomata Teorisi ve Formal Diller / Automata Theory and Formal Languages	3	0	3	5
	Proje Seçmeli Dersi / Project Elective			3	
	Teknik Seçmeli Ders (3) / Technical Elective (3)			9	

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 tasarımı 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.*
- 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

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
			✓		✓			GE 250			✓				✓	✓
✓	✓				✓			GE 251			✓				✓	✓
✓					✓			GE 301				✓	✓		✓	
✓					✓			HIST 200			✓		✓		✓	
	✓							HUM 111			✓				✓	
					✓			HUM 112			✓				✓	
✓		✓	✓				✓	IE 400	✓				✓			
	✓			✓			✓	MATH 101	✓		✓		✓			
✓	✓	✓		✓				MATH 102	✓		✓		✓			
					✓			MATH 132	✓							
✓	✓							MATH 225	✓							
✓		✓	✓				✓	MATH 230	✓							
✓	✓							MBG 110	✓							
✓								PHYS 101	✓	✓			✓		✓	
		✓					✓	PHYS 102	✓	✓			✓		✓	
		✓					✓	TURK 101			✓				✓	
		✓					✓	TURK 102			✓				✓	
		✓	✓				✓									✓

Tablo.2.2. Bilgisayar Mühendisliği Lisans Programı - Program Çıktıları ve Dersler Tablosu / *Table.2.2. Computer Engineering Undergraduate Program - Program*

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	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
CS 101	d	100	100	M1	50	75					
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	f	100	100	M1	60	75					
Course Code	Program Outputs	Midterm:Essay /written	Final:Essay/ written	Lab work	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
CS 102	a	30	30	10	30	100	M1	50	75		
	Program Outputs	Midterm:Essay /written	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	b	33	34	33	100	M1	50	75			
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	f	100	100	M1	60	75					
Course Code	Program Outputs	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
CS 201	a	33	34	33	100	M1	50	75			
	Program Outputs	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	f	100	100	M1	50	75					

Course Code	Program Outputs	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
CS 202	a	50	50	100	M1	50	75				
	Program Outputs	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	f	100	100	M1	50	75					
Course Code	Program Outputs	Lab work	Midterm:Open-Book	Final:Open-book	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
CS 223	b	15	35	35	15	100	M1	50	75		
Course Code	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
CS 224	f	100	100	M1	50	75					
Course Code	Program Outputs	Project	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
CS 315	b	50	50	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	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	g	100	100	M1	50	75					
Course Code	Program Outputs	Midterm	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
CS 319	a	100	100	M1	40	75					
	Program Outputs	Final:Essay/written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	b	100	100	M1	40	75					

Course Code	Program Outputs	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
CS 319	c	100	100	M1	50	75							
	Program Outputs	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	e	100	100	M1	50	75							
Course Code	Program Outputs	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
CS 342	f	100	100	M1	50	75							
Course Code	Program Outputs	Midterm:Essay /written	Final:Essay/ written	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
CS 353	a	40	40	20	100	M1	40	75					
	Program Outputs	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	b	100	100	M1	50	75							
Course Code	Program Outputs	Homework	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
CS 473	a	40	25	35	100	M1	30	75					
	Program Outputs	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
	b	40	60	100	M1	30	75						
Course Code	Program Outputs	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
CS 476	a	100	100	M1	30	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	

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	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				
	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	30	25	35	10	100	M1	45	60	
	Program Outputs	Final	Midterm	Project	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	e	30	25	35	10	100	M1	45	60	
	Program Outputs	Final	Midterm	Project	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	g	30	25	35	10	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:Essay/written	Quiz	Quiz	Quiz	Quiz	Final:Essay/written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
IE 400	a	25	10	10	10	10	35	100	M1	30	75	
	Program Outputs	Midterm:Essay/written	Quiz	Quiz	Quiz	Quiz	Final:Essay/written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	e	25	10	10	10	10	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: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	Homework	Homework	Homework	Homework	Homework	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 132	a	2	2	2	2	2	30	30	30	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	Homework	Homework	Homework	Homework	Final:Essay/wr itten	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
MATH 230	a	40	3	4	4	4	45	100	M1	30	75		
Course Code	Program Outputs	Quiz	Quiz	Quiz	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
MBG 110	a	5	5	5	25	30	30	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	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 101	e	15	20	10	10	25	20	100	M1	50	50
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	g	15	20	10	10	25	20	100	M1	50	50

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

Course Code	Program Outputs	Blog	Final Exam	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
TURK 101	c	70	30	100	M1	70	60
	Program Outputs	Blog	Final Exam	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	g	70	30	100	M1	70	60

Course Code	Program Outputs	Blog	Final Exam	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
TURK 102	c	70	30	100	M1	70	60
	Program Outputs	Blog	Final Exam	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 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 101 - Algoritmalar ve Programlama / CS 101 - Algorithms and Programming I													
d	M1	50	75	129	112	98.22	98.17	129	112	100	100	Yeterli ✓ / Sufficient ✓	100
f	M1	60	75	129	112	93.32	93.83	129	112	100	100	Yeterli ✓ / Sufficient ✓	100
CS 102 - Algoritmalar ve Programlama II / CS 102 - Algorithms and Programming II													
a	M1	50	75	50	49	78.05	78.05	50	49	100	100	Yeterli ✓ / Sufficient ✓	100
b	M1	50	75	50	49	75.9	75.91	50	49	100	100	Yeterli ✓ / Sufficient ✓	100
f	M1	60	75	50	49	95.78	95.69	50	49	100	100	Yeterli ✓ / Sufficient ✓	100
CS 201 - Bilgisayar Biliminin Temelleri I / CS 201 - Fundamental Structures of Computer Science I													
a	M1	50	75	147	145	84.53	84.64	144	142	97.96	97.93	Yeterli ✓ / Sufficient ✓	97.93
f	M1	50	75	147	145	94.32	94.29	146	144	99.32	99.31	Yeterli ✓ / Sufficient ✓	99.31
CS 202 - Bilgisayar Biliminin Temelleri II / CS 202 - Fundamental Structures of Computer Science II													
a	M1	50	75	37	36	91.03	90.82	37	36	100	100	Yeterli ✓ / Sufficient ✓	100
f	M1	50	75	37	36	89.22	88.92	36	35	97.3	97.22	Yeterli ✓ / Sufficient ✓	97.22
CS 223 - Sayısal Devre Tasarımı / CS 223 - Digital Design													
b	M1	50	75	142	141	73.45	73.6	138	137	97.18	97.16	Yeterli ✓ / Sufficient ✓	97.16
CS 224 - Bilgisayar Yapısı / CS 224 - Computer Organization													
f	M1	50	75	68	68	77.35	77.35	59	59	86.76	86.76	Yeterli ✓ / Sufficient ✓	86.76

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 315 - Programlama Dilleri / CS 315 - Programming Languages													
b	M1	50	75	124	122	85.94	86.14	124	122	100	100	Yeterli ✓ / Sufficient ✓	100
e	M1	50	75	124	122	84.6	84.91	117	116	94.35	95.08	Yeterli ✓ / Sufficient ✓	95.08
g	M1	50	75	124	122	95.71	95.75	123	121	99.19	99.18	Yeterli ✓ / Sufficient ✓	99.18
CS 319 - Nesneye Yönelik Yazılım Mühendisliği / CS 319 - Object-Oriented Software Engineering													
a	M1	40	75	134	131	60.8	60.72	127	124	94.78	94.66	Yeterli ✓ / Sufficient ✓	94.66
b	M1	40	75	134	131	58.97	58.89	120	117	89.55	89.31	Yeterli ✓ / Sufficient ✓	89.31
c	M1	50	75	134	131	83.76	83.69	130	127	97.01	96.95	Yeterli ✓ / Sufficient ✓	96.95
e	M1	50	75	134	131	83.76	83.69	130	127	97.01	96.95	Yeterli ✓ / Sufficient ✓	96.95
CS 342 - İşletim Sistemleri / CS 342 - Operating Systems													
f	M1	50	75	58	55	78.76	79.27	55	52	94.83	94.55	Yeterli ✓ / Sufficient ✓	94.55
CS 353 - Veri Tabanı Sistemleri / CS 353 - Database Systems													
a	M1	40	75	79	78	63.97	63.71	78	77	98.73	98.72	Yeterli ✓ / Sufficient ✓	98.72
b	M1	50	75	79	78	78.35	78.25	79	78	100	100	Yeterli ✓ / Sufficient ✓	100
CS 473 - Algoritmalar I / CS 473 - Algorithms I													
a	M1	30	75	83	81	50.92	50.67	76	74	91.57	91.36	Yeterli ✓ / Sufficient ✓	91.36
b	M1	30	75	83	81	46.26	46.18	67	65	80.72	80.25	Yeterli ✓ / Sufficient ✓	80.25
CS 476 - Otomata Teorisi ve Formal Diller / CS 476 - Automata Theory and Formal Languages													
a	M1	30	75	54	54	55.3	55.3	45	45	83.33	83.33	Yeterli ✓ / Sufficient ✓	83.33

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
ENG 101 - İngilizce ve Kompozisyon I / ENG 101 - English and Composition I													
c	M1	70	75	1702	114	82.4	87.32	1593	114	93.6	100	Yeterli ✓ / Sufficient ✓	100
g	M1	70	75	1702	114	82.4	87.32	1593	114	93.6	100	Yeterli ✓ / Sufficient ✓	100
ENG 102 - İngilizce ve Kompozisyon II / ENG 102 - English and Composition II													
c	M1	70	70	616	46	86.42	90.26	603	45	97.89	97.83	Yeterli ✓ / Sufficient ✓	97.83
g	M1	70	70	616	46	86.42	90.26	603	45	97.89	97.83	Yeterli ✓ / Sufficient ✓	97.83
ENG 401 - Teknik Rapor Yazma ve Sunum / ENG 401 - Technical Report Writing and Presentation													
c	M1	70	80	275	103	88.86	89.38	270	101	98.18	98.06	Yeterli ✓ / Sufficient ✓	98.06
g	M1	70	80	275	103	88.86	89.38	270	101	98.18	98.06	Yeterli ✓ / Sufficient ✓	98.06
GE 100 - Üniversite Hayatına Giriş / GE 100 - Orientation													
c	M1	12	80	1678	121	97.32	99.01	1678	121	100	100	Yeterli ✓ / Sufficient ✓	100
d	M1	12	80	1678	121	97.32	99.01	1678	121	100	100	Yeterli ✓ / Sufficient ✓	100
g	M1	12	80	1678	121	97.32	99.01	1678	121	100	100	Yeterli ✓ / Sufficient ✓	100
h	M1	12	80	1678	121	97.32	99.01	1678	121	100	100	Yeterli ✓ / Sufficient ✓	100
GE 251 - Üniversite Etkinlik Programı II / GE 251 - Collegiate Activities Program II													
c	M1	70	70	974	93	92.76	96.99	898	90	92.2	96.77	Yeterli ✓ / Sufficient ✓	96.77
g	M1	70	70	974	93	92.76	96.99	898	90	92.2	96.77	Yeterli ✓ / Sufficient ✓	96.77
h	M1	70	70	974	93	92.76	96.99	898	90	92.2	96.77	Yeterli ✓ / Sufficient ✓	96.77

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
GE 301 - Bilim, Teknoloji ve Toplum / GE 301 - Science Technology and Society													
d	M1	45	60	304	57	82.88	84.88	304	57	100	100	Yeterli ✓ / Sufficient ✓	100
e	M1	45	60	304	57	82.88	84.88	304	57	100	100	Yeterli ✓ / Sufficient ✓	100
g	M1	45	60	304	57	82.88	84.88	304	57	100	100	Yeterli ✓ / Sufficient ✓	100
HIST 200 - Türkiye Tarihi / HIST 200 - History of Turkey													
c	M1	70	75	1036	112	93.59	94.15	1026	112	99.03	100	Yeterli ✓ / Sufficient ✓	100
e	M1	70	75	1036	112	93.59	94.15	1026	112	99.03	100	Yeterli ✓ / Sufficient ✓	100
g	M1	70	75	1036	112	93.59	94.15	1026	112	99.03	100	Yeterli ✓ / Sufficient ✓	100
HUM 111 - Kültürler, Medeniyetler ve Düşünceler I / HUM 111 - Cultures Civilizations and Ideas I													
c	M1	60	75	1139	155	84.61	85.83	1135	155	99.65	100	Yeterli ✓ / Sufficient ✓	100
g	M1	60	75	1139	155	84.61	85.83	1135	155	99.65	100	Yeterli ✓ / Sufficient ✓	100
HUM 112 - Kültürler, Medeniyetler ve Düşünceler II / HUM 112 - Cultures Civilizations and Ideas II													
c	M1	60	75	287	39	84.87	87.8	285	39	99.3	100	Yeterli ✓ / Sufficient ✓	100
g	M1	60	75	287	39	84.87	87.8	285	39	99.3	100	Yeterli ✓ / Sufficient ✓	100
HUM 112 - Kültürler, Medeniyetler ve Düşünceler II / IE 400 - Principles of Engineering Management													
a	M1	30	75	174	140	63.07	64.5	172	138	98.85	98.57	Yeterli ✓ / Sufficient ✓	98.57
e	M1	30	75	174	140	63.07	64.5	172	138	98.85	98.57	Yeterli ✓ / Sufficient ✓	98.57

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	682	124	63.69	71.42	607	120	89	96.77	Yeterli ✓ / Sufficient ✓	96.77
c	M1	40	50	682	124	63.69	71.42	607	120	89	96.77	Yeterli ✓ / Sufficient ✓	96.77
e	M1	40	50	682	124	63.69	71.42	607	120	89	96.77	Yeterli ✓ / Sufficient ✓	96.77
MATH 102 - Matematik II / MATH 102 - Calculus II													
a	M1	40	50	258	51	53.52	61.93	181	41	70.16	80.39	Yeterli ✓ / Sufficient ✓	80.39
c	M1	40	50	258	51	53.52	61.93	181	41	70.16	80.39	Yeterli ✓ / Sufficient ✓	80.39
e	M1	40	50	258	51	53.52	61.93	181	41	70.16	80.39	Yeterli ✓ / Sufficient ✓	80.39
MATH 132 - Sonlu ve Kombinasyonel Matematik / MATH 132 - Discrete and Combinatorial Mathematics													
a	M1	40	50	146	54	55.89	58.85	132	48	90.41	88.89	Yeterli ✓ / Sufficient ✓	88.89
MATH 225 - Doğrusal Cebir ve Türevsel Denklemler / MATH 225 - Linear Algebra and Differential Equations													
a	M1	40	50	273	102	59.08	60.71	241	88	88.28	86.27	Yeterli ✓ / Sufficient ✓	86.27
MATH 230 - Mühendisler İçin Olasılık ve İstatistik / MATH 230 - Probability and Statistics for Engineers													
a	M1	30	75	218	143	60.38	64.25	208	138	95.41	96.5	Yeterli ✓ / Sufficient ✓	96.5
MBG 110 - Modern Biyolojiye Giriş / MBG 110 - Introduction to Modern Biology													
a	M1	50	50	487	115	68.05	75.3	432	113	88.71	98.26	Yeterli ✓ / Sufficient ✓	98.26
PHYS 101 - Genel Fizik I / PHYS 101 - General Physics I													
a	M1	50	50	620	134	65.09	68.18	568	127	91.61	94.78	Yeterli ✓ / Sufficient ✓	94.78
b	M1	50	50	620	134	65.09	68.18	568	127	91.61	94.78	Yeterli ✓ / Sufficient ✓	94.78
e	M1	50	50	620	134	65.09	68.18	568	127	91.61	94.78	Yeterli ✓ / Sufficient ✓	94.78
g	M1	50	50	620	134	65.09	68.18	568	127	91.61	94.78	Yeterli ✓ / Sufficient ✓	94.78

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
PHYS 102 - Genel Fizik II / PHYS 102 - General Physics II													
a	M1	50	50	201	50	64.05	66.35	171	45	85.07	90	Yeterli ✓ / Sufficient ✓	90
b	M1	50	50	201	50	64.05	66.35	171	45	85.07	90	Yeterli ✓ / Sufficient ✓	90
e	M1	50	50	201	50	64.05	66.35	171	45	85.07	90	Yeterli ✓ / Sufficient ✓	90
g	M1	50	50	201	50	64.05	66.35	171	45	85.07	90	Yeterli ✓ / Sufficient ✓	90
TURK 101 - Türkçe I / TURK101 - Turkish I													
c	M1	70	60	1541	110	88.03	90.85	1519	110	98.57	100	Yeterli ✓ / Sufficient ✓	100
g	M1	70	60	1541	110	88.03	90.85	1519	110	98.57	100	Yeterli ✓ / Sufficient ✓	100
TURK 102 - Türkçe II / TURK102 - Turkish II													
c	M1	70	60	637	46	90.42	92.93	626	45	98.27	97.83	Yeterli ✓ / Sufficient ✓	97.83
g	M1	70	60	637	46	90.42	92.93	626	45	98.27	97.83	Yeterli ✓ / Sufficient ✓	97.83

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 101				✓		✓			GE 251			✓				✓	✓
CS 102	✓	✓				✓			GE 301				✓	✓		✓	
CS 201	✓					✓			HIST 200			✓		✓		✓	
CS 202	✓					✓			HUM 111			✓				✓	
CS 223		✓							HUM 112			✓				✓	
CS 224						✓			IE 400	✓				✓			
CS 315		✓			✓		✓		MATH 101	✓		✓		✓			
CS 319	✓	✓	✓		✓				MATH 102	✓		✓		✓			
CS 342						✓			MATH 132	✓							
CS 353	✓	✓							MATH 225	✓							
CS 473	✓	✓							MATH 230	✓							
CS 476	✓								MBG 110	✓							
ENG 101			✓				✓		PHYS 101	✓	✓			✓		✓	
ENG 102			✓				✓		PHYS 102	✓	✓			✓		✓	
ENG 401			✓				✓		TURK 101			✓				✓	
GE 100			✓	✓			✓	✓	TURK 102			✓				✓	

Tablo.3.3.1. 2024-2025 Akademik Yılı Güz Dönemi Bilgisayar Mühendisliği Lisans Programı Program Çıktıları Performans Tablosu / *Table.3.3.1.*
2024-2025 Academic Year Fall Semester Computer 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 101				100		100			GE 251			96.77				96.77	96.77
CS 102	100	100				100			GE 301				100	100		100	
CS 201	97.93					99.31			HIST 200			100		100		100	
CS 202	100					97.22			HUM 111			100				100	
CS 223		97.16							HUM 112			100				100	
CS 224						86.76			IE 400	98.57				98.57			
CS 315		100			95.08		99.18		MATH 101	96.77		96.77		96.77			
CS 319	94.66	89.31	96.95		96.95				MATH 102	80.39		80.39		80.39			
CS 342						94.55			MATH 132	88.89							
CS 353	98.72	100							MATH 225	86.27							
CS 473	91.36	80.25							MATH 230	96.5							
CS 476	83.33								MBG 110	98.26							
ENG 101			100				100		PHYS 101	94.78	94.78			94.78		94.78	
ENG 102			97.83				97.83		PHYS 102	90	90			90		90	
ENG 401			98.06				98.06		TURK 101			100				100	
GE 100			100	100			100	100	TURK 102			97.83				97.83	

Tablo.3.3.2. 2024-2025 Akademik Yılı Güz Dönemi Bilgisayar Mühendisliği Lisans Programı Program Çıktıları Performans Oranları Tablosu /
Table.3.3.2. 2024-2025 Academic Year Fall Semester Computer Engineering Undergraduate Program - Program Outcomes Performance Rates Table