2025-2026 AKADEMİK YILI /
Academic Year

EĞİTİMDE KALİTE GÜVENCESİ YILLIK RAPORU

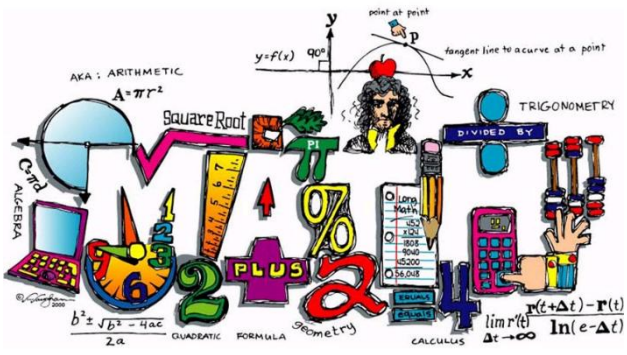
QUALITY ASSURANCE IN EDUCATION ANNUAL REPORT

FEN FAKÜLTESİ

FACULTY OF SCIENCE

MATEMATİK LİSANS PROGRAMI (MATH)

MATHEMATICS UNDERGRADUATE PROGRAM (MATH)



İÇİNDEKİLER / CONTENTS

FEN FAKÜLTESİ / *FACULTY OF SCIENCE*

MATEMATİK LİSANS PROGRAMI – MATH / *MATHEMATICS UNDERGRADUATE PROGRAM - MATH*

1. BÖLÜM HAKKINDA / *ABOUT THE DEPARTMENT*

1.1. EĞİTİM AMAÇLARI / *EDUCATIONAL OBJECTIVES*

Program mezunlarının mezuniyetlerinden sonraki bir kaç yıl içinde aşağıdaki program eğitim amaçlarından bir veya daha fazlasına ulaşması beklenir. / *Graduates of the program are expected to attain or achieve one or more of the following program educational objectives within a few years of their graduation.*

1) Matematik mezunları matematik ve ilgili alanlarda saygın lisansüstü programlara ve/veya matematikle ilgili şirketlere kabul edileceklerdir. / *MATH graduates will get accepted into prestigious graduate programs and/or find employment in companies engaged in mathematics related research.*
2) Matematik mezunları matematiğe ve/veya temel bilimlere katkıda bulunarak lisansüstü derecelerini alacaklardır. / *MATH graduates will obtain graduate degrees by contributing to mathematics and/or basic sciences.*
3) Matematik mezunları, kariyerlerinde akademik veya endüstriyel ortamlarda önde gelen araştırmacılar olarak öne çıkacaklardır. / *MATH graduates will be distinguished in their careers as prominent researchers in academic or industrial environments.*
4) Matematik mezunları çeşitli alanlardaki karmaşık problemleri çözmek için matematiksel düşünme becerilerini ve teknik uzmanlıklarını uygulayacaklardır. / *MATH graduates will apply their mathematical thinking skills and technical expertise to solve complex problems in various areas of mathematics and related fields.*

1.1.1. DANIŞMA KURULU / *ADVISORY BOARD*

- Doç. Dr. Aslı Pekcan Yıldız, Öğretim Üyesi, Hacettepe Üniversitesi Matematik Bölümü / *Assoc. Dr. Aslı Pekcan Yıldız, Faculty Member, Hacettepe University Department of Mathematics*
- Doç. Dr. Yasemin Şengül Tezel, Öğretim Üyesi, Cardiff Üniversitesi Matematik Bölümü / *Assoc. Dr. Yasemin Şengül Tezel, Faculty Member, Department of Mathematics, Cardiff University*
- Dr. Öğr. Üyesi Mehmet Akif Erdal, Öğretim Üyesi, Yeditepe Üniversitesi Matematik Bölümü / *Assis. Prof. Mehmet Akif Erdal, Faculty Member, Yeditepe University Department of Mathematics*
- Dr. Öğr. Üyesi Çisem Güneş, Öğretim Üyesi, Abdullah Gül Üniversitesi Mühendislik Bilimleri / *Assis. Prof. Member Çisem Güneş, Faculty Member, Abdullah Gül University Engineering Sciences*
- Prof. Dr. Orhun Kara , Öğretim Üyesi / Bilkent MATH Mezunu, İzmir Yüksek Teknoloji Enstitüsü/ *Prof. Dr. Burak Gürel, Faculty Member / Bilkent MATH Alumni, İzmir High Technology Institue Boğaziçi*
- Öğr. Gör. Semra Bayat Özdemir, Matematik Lisans Mezunu / *Ins. Semra Bayat Özdemir, Mathematics UG Alumni*

1.2. LİSANS PROGRAMI / *UNDERGRADUATE PROGRAM*

1.2.1. MÜFREDAT / *CURRICULUM*

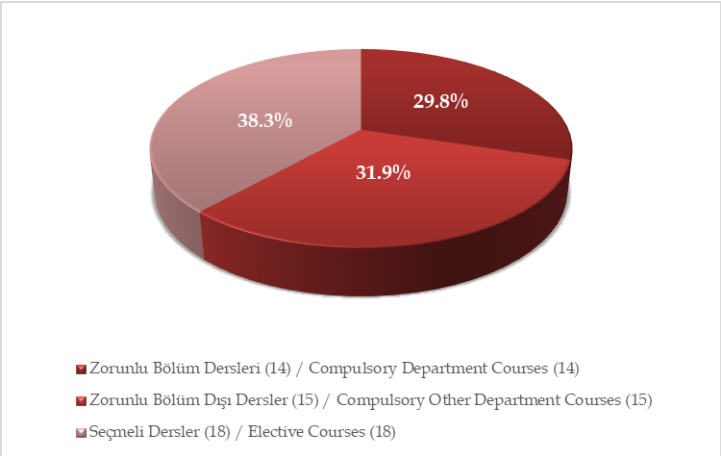
Birinci Yıl / *First Year*					
Güz Dönemi / *Fall Semester*					
Ders Kod / *Course Code*	Ders Adı / *Course Name*	Saatler / *Hours*		Kredi / *Credits*	
		Ders / *Lecture*	Lab / Stüdyo / Diğer / *Lab / Studio / Others*	Bilkent	ECTS
ENG 101	İngilizce ve Kompozisyon I / *English and Composition I*	5	0	3	5
GE 100	Üniversite Hayatına Giriş / *Orientation*	0	0	1	2
MATH 101	Matematik I / *Calculus I*	4	0	4	6.5
MATH 123	Soyut Matematik I / *Abstract Mathematics 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 124	Soyut Matematik II / *Abstract Mathematics II*	4	0	4	6.5
MBG 110	Modern Biyolojiye Giriş / *Introduction to Modern Biology*	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
HIST 200	Türkiye Tarihi / *History of Turkey*	3	0	4	6.5
MATH 213	İleri Matematik I / *Advanced Calculus I*	4	0	4	6.5
MATH 223	Doğrusal Cebir I / *Linear Algebra I*	3	0	3	5
MATH 240	Türevsel Denklemler / *Differential Equations*	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
MATH 210	Sonlu ve Ayrık Matematik / *Finite and Discrete Mathematics*	3	0	3	5
MATH 214	İleri Matematik II / *Advanced Calculus II*	4	0	4	6.5
MATH 224	Doğrusal Cebir II / *Linear Algebra II*	3	0	3	5
	Seçmeli Ders (2) / *Elective (2)*			6	

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**
HUM 111	Kültürler, Medeniyetler ve Düşünceler I / *Cultures Civilizations and Ideas I*	3	0	3	5
MATH 202	Karmaşık Analiz / *Complex Analysis*	3	0	3	5
MATH 323	Cebir I / *Algebra I*	3	0	3	5
	Seçmeli Ders (2) / *Elective (2)*			6	
	Matematik Seçmeli Dersi / *MATH Elective*			3	
Bahar Dönemi / *Spring Semester*					
Ders Kod / *Course Code*	**Ders Adı** / *Course Name*	**Saatler** / *Hours*		**Kredi** / *Credits*	
		Ders / *Lecture*	**Lab / Stüdyo / Diğer** / *Lab / Studio / Others*	**Bilkent**	**ECTS**
COMD 358	Profesyonel İletişim / *Professional Communication*	3	0	3	5
HUM 112	Kültürler, Medeniyetler ve Düşünceler II / *Cultures Civilizations and Ideas II*	3	0	3	5
MATH 253	Sayılar Teorisine Giriş / *Introduction to Number Theory*	3	0	3	5
	Seçmeli Ders (2) / *Elective (2)*			6	
	Matematik Seçmeli Dersi / *MATH 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**
MATH 399	Yaz Stajı / *Summer Practice*	0	0	0	8
	Seçmeli Ders (2) / *Elective (2)*			6	
	Matematik Seçmeli Dersi / *MATH Elective*			3	
	Matematik Proje Seçmeli Dersi / *Project Elective*			3	
	Temel Sosyal Bilimler Seçmeli Ders / *Social Science Core Elective*			3	
Bahar Dönemi / *Spring Semester*					
Ders Kod / *Course Code*	**Ders Adı** / *Course Name*	**Saatler** / *Hours*		**Kredi** / *Credits*	
		Ders / *Lecture*	**Lab / Stüdyo / Diğer** / *Lab / Studio / Others*	**Bilkent**	**ECTS**
	Temel Sanat Seçmeli Dersi / *Arts Core Elective*			3	
	Seçmeli Ders (3) / *Elective (3)*			9	
	Matematik Seçmeli Dersi / *MATH Elective*			3	

1.2.2. DERSLERİN DAĞILIMI / *DISTRIBUTION COURSES*



Grafik.1.2.2. Matematik Lisans Programı Müfredatındaki Derslerin Dağılımı / ***Graphic.1.2.2.***
Distribution of Courses in the Mathematics Undergraduate Program Curriculum

1.3. ÖĞRENCİLER / *STUDENTS*

1.3.1. ÖĞRENCİ SAYILARI / *NUMBER OF STUDENTS*

	Öğrenci Sayıları / *Number of Students*
Hazırlık / *Prep*	23
1. Sınıf / *1. Class*	37
2. Sınıf / *2. Class*	32
3. Sınıf / *3. Class*	28
4. Sınıf / *4. Class*	34
Toplam Öğrenci Sayısı / *Total Number of Students*	**154**

Tablo.1.3.1. 2025-2026 Akademik Yılı Matematik Lisans Programı Öğrenci Sayıları / ***Table.1.3.1.***
Number of Students in Mathematics Undergraduate Program for the 2025-2026 Academic Year

1.3.2. YABANCI ÖĞRENCİ SAYILARI

	Yabancı Öğrenci Sayıları / *Number of Foreign Students*
1. Sınıf / *1. Class*	2
4. Sınıf / *4. Class*	1
Toplam Yabancı Öğrenci Sayısı / *Total Number of Foreign Students*	**3**

Tablo.1.3.2. 2025-2026 Akademik Yılı Matematik Lisans Programı Yabancı Öğrenci Sayıları / ***Table.1.3.2.*** *Number of Foreign Students in Mathematics Undergraduate Program for the 2025-2026 Academic Year*

1.4. ÖĞRETİM ELEMANLARI / *FACULTY MEMBERS*

1.4.1. ÖĞRETİM ELEMANI SAYILARI / *NUMBER OF FACULTY MEMBERS*

	Öğretim Elemanı Sayıları / *Number of Faculty Members*
Profesör Doktor / *Professor Doctor*	8
Doçent Doktor / *Associate Professor*	8
Doktor Öğretim Üyesi / *Asisstant Professor*	10
Öğretim Görevlisi / *Instructor*	12
Toplam Öğretim Elemanı Sayısı / *Total Number of Faculty Members*	**38**

Tablo.1.4.1. 2025-2026 Akademik Yılında Matematik Lisans Programı Kadrolu ve Yarı Zamanlı Öğretim Elemanı Sayıları / ***Table.1.4.1.*** *Number of Full-Time and Part-Time Faculty Members in the Mathematics Undergraduate Program in the 2025-2026 Academic Year*

1.4.2. ÖĞRETİM ELEMANLARININ LİSTESİ / *LIST OF FACULTY MEMBERS*

Öğretim Elemanının Unvanı / *Title of Faculty Member*	Öğretim Elemanının Çalışma Şekli / *Work-mode of Faculty Member*	Öğretim Elemanının Adı - Soyadı / *Name-Surname of Faculty Member*	Öğretim Elemanının Unvanı / *Title of Faculty Member*	Öğretim Elemanının Çalışma Şekli / *Work-mode of Faculty Member*	Öğretim Elemanının Adı - Soyadı / *Name-Surname of Faculty Member*
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Laurence John Barker	Öğretim Görevlisi / Instructor	Tam Zamanlı / Full Time	İnci Apaydın
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Bülent Ünal	Öğretim Görevlisi / Instructor	Yarı Zamanlı / Part Time	Ayşegül Altaban
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Hamza Yeşilyurt	Öğretim Görevlisi / Instructor	Tam Zamanlı / Full Time	Mehmet Okan Tekman
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Ahmet Muhtar Güloğlu	Öğretim Görevlisi / Instructor	Yarı Zamanlı / Part Time	Merve Seçgin
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Özgün Ünlü	Öğretim Görevlisi / Instructor	Yarı Zamanlı / Part Time	Mustafa Kerem Yüksel
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Türker Özsarı	Öğretim Görevlisi / Instructor	Yarı Zamanlı / Part Time	Nurdan Kar
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Amin Rezaei Akbarieh	Öğretim Görevlisi / Instructor	Yarı Zamanlı / Part Time	Yaman Paksoy
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Naci Saldı	Öğretim Görevlisi / Instructor	Yarı Zamanlı / Part Time	Mert Kalfa
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Yaghoub Heydarzade	Öğretim Görevlisi / Instructor	Yarı Zamanlı / Part Time	Cazibe Kavalcı
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Alexander Goncharov	Öğretim Görevlisi / Instructor	Yarı Zamanlı / Part Time	Erman Işık
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Enis Kaya	Öğretim Görevlisi / Instructor	Yarı Zamanlı / Part Time	Mohammed Kamil Alhassan
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Cihan Okay	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Ali Sinan Sertöz
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Konstantinos Maronikolakis	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Azer Kerimov
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Deniz Yılmaz	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Aleksander Degtyarev
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Muhammet Yasir Kızmaz	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Metin Gürses
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Cihan Bahran	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Ergün Yalçın
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Syed Waqar Ali Shah	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Hakkı Turgay Kaptanoğlu
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Gökhan Yıldırım	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Müfit Sezer
Öğretim Görevlisi / Instructor	Tam Zamanlı / Full Time	Natalya Zheltukhina	Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Mehmet Fatihcan Atay

Tablo.1.4.2. 2025-2026 Akademik Yılında Matematik Lisans Programı Kadrolu ve Yarı Zamanlı Öğretim Elemanı Listesi / ***Table.1.4.2.*** *List of Full-Time and Part-Time Faculty Members in the Mathematics Undergraduate Program in the 2025-2026 Academic Year*

1.5. EĞİTİMDE KALİTE KOMİTESİ / *COMMITTEE OF QUALITY IN EDUCATION*

- Mehmet Okan Tekman
- Muhammet Yasir Kızmaz
- Türker Özsarı
- Hamza Yeşilyurt
- Azer Kerimov

2. TÜRKİYE YÜKSEKÖĞRETİM YETERLİLİKLER ÇERÇEVESİ – ULUSAL YETERLİLİKLER / *TURKISH HIGHER EDUCATION QUALIFICATIONS FRAMEWORK - NATIONAL QUALIFICATIONS*

Mathematics and Statistics Basic Field Qualifications (Academic Weighted) - 6th Level - Bachelor's						
LEVEL OF THEQF	**KNOWLEDGE SKILLS -Theoretical -Factual**	**SKILLS -Cognitive -Practical**	**COMPETENCIES**			
			Ability to Work Independently and Take Responsibility	**Learning Competence**	**Communication and Social Competence**	**Field-Specific Competence**
6th Level Bachelor's EQF-LLL: 6th Level QF-EHEA: 1st Cycle	K1. Having advanced theoretical and practical knowledge that emphasizes scientific approach supported by course books, practice tools and other resources containing current information in the field.	S1. Adapting and transferring the field knowledge to secondary education. S2. Using advanced theoretical and practical knowledge in the field. S3. Renewing the knowledge depending on the actual circumstances. S4. Commenting on and assessing data using the advanced knowledge and skills acquired in the field; defining, analyzing and bring solutions to the problems parallel to the actual technologic developments based on evidence. S5. Having the skills to conceptualize the events and facts in the field; examining them with scientific methods and technics. S6. Designing and realizing experiments, gathering data, analyzing and commenting on the results for the investigation of problems.	W1. Running an upper level study independently in the field. W2. Taking responsibility individually and as a group member to solve unpredicted complicated problems occurring in field practices. W3. Planning and managing the activities for the improvement of the workers under one's responsibility within a project framework. W4. Taking part in decision making processes for problems in different discipline areas. W5. Using time effectively in achieving results through analytic thinking skills.	L1. Critically evaluating the advanced knowledge and skills acquired in the field. L2. Determining learning needs and redirecting education. L3. Developing positive attitude towards lifelong learning. L4. Having the awareness for the necessity of lifelong learning and constantly developing professional knowledge and skills.	C1. Informing the related persons and organizations in subjects regarding the field and expressing opinions and proposals for solutions to the problems orally and in a written way. C2. Sharing the opinions and solutions to problems supported by quantitative and qualitative data on subjects related to the field with experts and others. C3. Arranging and implementing projects and activities for the society with respect to social responsibility awareness. C4. Keeping track of the developments in the field and communicating with colleagues by speaking a foreign language at least on European Language Portfolio B1general level. C5. Using informatics and communication technologies together with computer software required by the field at least at European Computer Driving License advanced level. C6. Using the field knowledge on human health and environmental awareness for the benefit of the society.	F1. Following social, scientific, cultural and ethical values in gathering, commenting on and applying data in the field and announcing the results. F2. Having sufficient awareness on universality of social rights, social justice, complying with and participating in quality management and processes (instead of quality culture), protecting cultural values and environment, occupational health and security.

3. PROGRAM ÇIKTILARI / *PROGRAM OUTCOMES*

3.1. PROGRAM ÇIKTILARININ LİSTESİ / *LIST OF PROGRAM OUTCOMES*

a. Sahip olduğu matematik bilgisini uygular. / *Able to apply knowledge of mathematics.*

b. Bir problem için önerilen çözümleri eleştirel olarak değerlendirebilir. / *Able to critically assess proposed solutions to a problem.*

c. Hipotezleri test edebilir ve alternatifleri formüle edebilir. / *Able to test hypotheses and formulate alternatives.*

d. Küresel sorunlara yaratıcı çözümler geliştirmek için bilimsel düşüncenin modern yöntem ve araçlarını kullanabilir. / *Able to use modern methods and tools of scientific thought in developing creative solutions for global challenges.*

e. Bir uygulama alanında koşulları yorumlar ve formüle eder. / *Able to interpret and formulate conditions in a domain of application.*

f. Çalışma organize eder ve projeleri planlar. / *Able to organize study and plan projects.*

g. Problem çözme diyaloğuna ve takım çalışmasına etkin bir şekilde katkıda bulunur. / *Able to contribute effectively in problem-solving dialogue and teamwork*

h. Yaşam boyu öğrenmeye katılabilir, buna duyulan ihtiyacı tanır. / *Able to engage in life-long learning, recognizing the need for it.*

i. İlgili kaynaklardan gelen bilgileri yorumlayabilir, değerlendirebilir ve eleştirebilir. / *Able to interpret, review, assess information from relevant sources.*

j. Fikirleri, düşünceleri etkili bir şekilde organize edebilir ve bunları çeşitli izleyicilere iletmek için gerekli yazma ve iletişim becerilerini geliştirebilir. / *Able to develop writing and communication skills necessary to effectively organizing ideas and conveying them to various audiences.*

k. Öğrenciler, derslerin yanı sıra çeşitli ve yaratıcı, sanatsal, kültürel, sportif ve entelektüel faaliyetlere katılarak kampüs hayatından daha fazla faydalanabilir. / *Able to take part in artistic, cultural, sportive, and intellectual activities on the campus outside the coursework, which promote diversity, creativity, and commitment.*

3.2. ULUSAL YETERLİLİKLER İLE PROGRAM ÇIKTILARI BAĞLANTI TABLOSU / *NATIONAL QUALIFICATIONS AND PROGRAM OUTCOMES CONNECTION TABLE*

Ulusal Yeterlilikler / *National Competencies*	Program Çıktıları / *Program Outcomes*										
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
K1	✔	✔									
S1		✔									
S2			✔	✔	✔						
S3			✔								
S4				✔	✔						
S5				✔	✔						
S6			✔								
W1						✔					
W2						✔					
W3							✔				
W4							✔				
W5						✔					
L1									✔		
L2						✔					
L3								✔			
L4								✔			
C1							✔				
C2									✔		
C3									✔		
C4										✔	
C5										✔	
C6									✔		✔
F1											✔
F2											✔

Tablo.3.2. Ulusal Yeterlilikler ile Matematik Lisans Programı Program Çıktıları Bağlantı Tablosu / ***Table.3.2.*** *National Qualifications and Mathematics Undergraduate Program Program Outcomes Link Table*

4. DERSLER / *COURSES*

4.1. PROGRAM ÇIKTILARI – DERSLER TABLOSU / *PROGRAM OUTCOMES - COURSES TABLE*

Dersler / *Courses*	Program Çıktıları / *Program Outcomes*										
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
COMD 358									✔	✔	✔
CS 115		✔	✔	✔	✔			✔			
ENG 101									✔	✔	✔
ENG 102									✔	✔	✔
GE 100								✔		✔	✔
GE 250								✔			✔
GE 251								✔			✔
HIST 200							✔		✔		
HUM 111									✔	✔	
HUM 112									✔	✔	
MATH 101	✔	✔					✔			✔	
MATH 102	✔	✔					✔			✔	
MATH 123	✔	✔	✔			✔			✔	✔	
MATH 124	✔		✔	✔		✔			✔	✔	
MATH 202	✔	✔	✔	✔				✔		✔	
MATH 210	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
MATH 213	✔		✔	✔		✔			✔	✔	
MATH 214	✔		✔	✔		✔			✔	✔	
MATH 223	✔			✔						✔	
MATH 224	✔			✔						✔	
MATH 240	✔	✔		✔							
MATH 253	✔	✔	✔	✔					✔	✔	
MATH 323	✔										
MBG 110								✔			
PHYS 101	✔		✔	✔				✔		✔	
PHYS 102	✔		✔	✔				✔		✔	
TURK 101										✔	
TURK 102										✔	

Tablo.4.1. Matematik Lisans Programı Program Çıktılarının Müfredat Dersleri ile Eşleşme Tablosu / ***Table.4.1.*** *Mathematics Undergraduate Program - Program Outcomes and Courses Table*

4.2. PERFORMANS ÖLÇÜMÜNDE KULLANILAN METRİKLER / *METRICS TO BE USED IN PERFORMANCE MEASUREMENT*

4.2.1. PERFORMANS ÖLÇÜMLERİNDE KULLANILAN DEĞERLENDİRME METOTLARI / / *EVAULATION METHODS USED IN PERFORMANCE MEASUREMENTS*

4.2.1.1. 2025-2026 Akademik Yılı Güz Dönemi için / For 2025-2026 Academic Year Fall Semester;

Course Code	Program Outputs	Lab exam	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
CS 115	b	20	40	40	100	M1	40	75
	Program Outputs	Lab exam	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	c	20	40	40	100	M1	40	75
	Program Outputs	Lab exam	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	20	40	40	100	M1	40	75
	Program Outputs	Lab exam	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	e	20	40	40	100	M1	40	75
	Program Outputs	Lab exam	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	h	20	40	40	100	M1	40	75

Course Code	Program Outputs	Academic Essay 1	Essay	Oral Presentation	Student Led Discussion	Academic Summary and Critical Response Task	Self-progress Reflection Task	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
ENG 101	i	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 (%)
	j	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	k	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	i	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 (%)
	j	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 (%)
	k	5	20	20	10	30	15	100	M1	70	70

Course Code	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
GE 100	h	100	100	M1	12	80
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	100	100	M1	12	80
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	k	100	100	M1	12	80

Course Code	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
GE 251	h	100	100	M1	70	70
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	k	100	100	M1	70	70

Course Code	Program Outputs	Oral presentation	Research essay	Performance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
HIST 200	g	10	60	30	100	M1	70	75
	Program Outputs	Oral presentation	Research essay	Performance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	i	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	i	30	30	10	30	100	M1	50	50
	Program Outputs	Quizzes	Course Project	In-class participation	Final Examination	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	30	30	10	30	100	M1	50	50

Course Code	Program Outputs	Quizzes	In-class participation	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
HUM 112	i	30	10	30	30	100	M1	50	50
	Program Outputs	Quizzes	In-class participation	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	30	10	30	30	100	M1	50	50

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 (%)
	b	30	30	40	100	M1	40	50

Course Code	Program Outputs	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 101	g	30	30	40	100	M1	40	50
	Program Outputs	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	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 (%)
	b	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 (%)
	g	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 (%)
	j	30	30	40	100	M1	40	50

Course Code	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 123	a	25	25	30	10	10	100	M1	30	40
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	b	25	25	30	10	10	100	M1	30	40
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	c	25	25	30	10	10	100	M1	30	40

Course Code	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 123	f	25	25	30	10	10	100	M1	30	40
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	i	25	25	30	10	10	100	M1	30	40
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	25	25	30	10	10	100	M1	30	40

Course Code	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 213	a	30	30	40	100	M1	30	40
	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	30	40
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	30	30	40	100	M1	30	40
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	f	30	30	40	100	M1	30	40
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	i	30	30	40	100	M1	30	40
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	30	30	40	100	M1	30	40

Course Code	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 223	a	30	30	40	100	M1	30	30
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	30	30	40	100	M1	30	30
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	30	30	40	100	M1	30	30

Course Code	Program Outputs	Midterm:Essay /written	Final:Essay/ written	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 240	a	40	48	12	100	M1	30	75
	Program Outputs	Midterm:Essay /written	Final:Essay/ written	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	b	40	48	12	100	M1	30	75
	Program Outputs	Midterm:Essay /written	Final:Essay/ written	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	40	48	12	100	M1	30	75

Course Code	Program Outputs	Homework	Quiz	Quiz	Quiz	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MBG 110	h	7,5	7,5	7,5	7,5	20	25	25	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	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 (%)
	c	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	d	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 (%)	
	h	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 (%)	
	j	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 (%)	
	c	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 (%)	
	d	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 (%)	
	h	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 (%)	
	j	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	j	70	30	100	M1	70	60	
Course Code	Program Outputs	Blog	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
TURK 102	j	70	30	100	M1	70	60	

Ölçümlerde Kullanılan Metotlarla İlgili Açıklamalar / ***Explanations About the Methods Used in Measurements***

Bütün metotlar için sadece dersi geçen öğrencilerin notları kullanılacaktır. / *For all methods, only the grades of students who pass the course will be used.*

- G: Öğrencilerin ilgili program çıktısını kazanacağı öngörülen minimum not / *G: Minimum grade at which students attain the relevant program outcome*
- T: Dersin ilgili program çıktısının kazanımı için yeterli sayılacağı eşik öğrenci yüzdesi / *T: Threshold percentage of students for the course to be considered sufficient for the attainment of the relevant program outcome*
- M1: Öğrencilerin %T'sinin dönem toplamlarının en az G olması / *M1: T% of the students to have a semester total of at least G*
- M2: Öğrencilerin %T'sinin dönem toplamlarının en az bölümdeki dönem toplamlarının ortalaması kadar olması/ *M2: T% of the students of the department to have a semester total of at least that of the department average*
- M3: Öğrencilerin dönem toplamlarının ortalamasının en az G olması / *M3: Average semester total of students of the department to be at least G*
- M4: Öğrencilerin %T'sinin dönem toplamlarının en az tüm bölümlerdeki tüm öğrencilerin dönem toplamlarının ortalaması kadar olması / *M4: T% of the students of the department to have a semester total of at least average semester total of all students from all departments*

4.2.1.2. 2025-2026 Akademik Yılı Bahar Dönemi için / For 2025-2026 Academic Year Spring Semester;

Course Code	Program Outputs	Homework	Homework	Homework	Midterm	Project	Project	Final	Final	In-class participation	Total Contribution	Qualification Calculation Method
COMD 358	i	5	5	10	30	10	10	10	15	5	100	M1
		(Average) Qualification Grade	Qualification Threshold (%)									
		60	70									
	Program Outputs	Homework	Homework	Homework	Midterm	Project	Project	Final	Final	In-class participation	Total Contribution	Qualification Calculation Method
	j	5	5	10	30	10	10	10	15	5	100	M1
		(Average) Qualification Grade	Qualification Threshold (%)									
		60	70									
	Program Outputs	Homework	Homework	Homework	Midterm	Project	Project	Final	Final	In-class participation	Total Contribution	Qualification Calculation Method
	k	10	5	5	30	10	10	10	15	5	100	M1
		(Average) Qualification Grade	Qualification Threshold (%)									
		60	70									

Course Code	Program Outputs	Lab exam	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
CS 115	b	20	40	40	100	M1	40	75
	Program Outputs	Lab exam	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	c	20	40	40	100	M1	40	75
	Program Outputs	Lab exam	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	20	40	40	100	M1	40	75

Course Code	Program Outputs	Lab exam	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
CS 115	e	20	40	40	100	M1	40	75				
	Program Outputs	Lab exam	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
	h	20	40	40	100	M1	40	75				
Course Code	Program Outputs	Academic Essay 1	Essay	Oral Presentation	Student Led Discussion	Academic Summary and Critical Response Task	Self-progress Reflection Task	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
ENG 101	i	20	25	8	7	10	5	25	100	M1	70	60
	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 (%)
	j	20	25	8	7	10	5	25	100	M1	70	60
	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 (%)
	k	20	25	8	7	10	5	25	100	M1	70	60
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	i	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 (%)	
	j	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 (%)	
	k	5	20	20	10	30	15	100	M1	70	70	

Course Code	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
GE 100	h	100	100	M1	12	80
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	100	100	M1	12	80
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	k	100	100	M1	12	80

Course Code	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
GE 251	h	100	100	M1	70	70
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	k	100	100	M1	70	70

Course Code	Program Outputs	Oral presentation	Research essay	Performance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
HIST 200	g	10	60	30	100	M1	70	75
	Program Outputs	Oral presentation	Research essay	Performance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	i	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	i	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 (%)
	j	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	i	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 (%)**
	j	30	10	30	30	100	M1	60	75

Course Code	Program Outputs	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 101	a	30	30	40	100	M1	30	50
	Program Outputs	**Midterm**	**Midterm**	**Final**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**
	b	30	30	40	100	M1	30	50
	Program Outputs	**Midterm**	**Midterm**	**Final**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**
	g	30	30	40	100	M1	30	50
	Program Outputs	**Midterm**	**Midterm**	**Final**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**
	j	30	30	40	100	M1	30	50

Course Code	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 102	a	25	25	30	10	10	100	M1	40	50
	Program Outputs	**Midterm:Essay/ written**	**Midterm:Essay/ written**	**Final:Essay/ written**	**Quiz**	**Homework**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**
	b	25	25	30	10	10	100	M1	40	50
	Program Outputs	**Midterm:Essay/ written**	**Midterm:Essay/ written**	**Final:Essay/ written**	**Quiz**	**Homework**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**
	g	25	25	30	10	10	100	M1	40	50
	Program Outputs	**Midterm:Essay/ written**	**Midterm:Essay/ written**	**Final:Essay/ written**	**Quiz**	**Homework**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**
	j	25	25	30	10	10	100	M1	40	50

Course Code	Program Outputs	Midterm	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 124	a	40	40	10	10	100	M1	30	30
	Program Outputs	Midterm	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	c	40	40	10	10	100	M1	30	30
	Program Outputs	Midterm	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	40	40	10	10	100	M1	30	30
	Program Outputs	Midterm	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	40	40	10	10	100	M1	30	30

Course Code	Program Outputs	Midterm	Midterm	Final	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 210	a	25	25	30	5	5	5	5	100	M1	30	30
	Program Outputs	Midterm	Midterm	Final	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	b	25	25	30	5	5	5	5	100	M1	30	30
	Program Outputs	Midterm	Midterm	Final	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	c	25	25	30	5	5	5	5	100	M1	30	30
	Program Outputs	Midterm	Midterm	Final	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	25	25	30	5	5	5	5	100	M1	30	30
	Program Outputs	Midterm	Midterm	Final	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	e	25	25	30	5	5	5	5	100	M1	30	30
	Program Outputs	Midterm	Midterm	Final	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	f	25	25	30	5	5	5	5	100	M1	30	30
	Program Outputs	Midterm	Midterm	Final	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	g	25	25	30	5	5	5	5	100	M1	30	30

Course Code	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
MATH 214	a	25	25	25	10	15	100	M1	30	30	
	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	c	25	25	25	10	15	100	M1	30	30	
	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	d	25	25	25	10	15	100	M1	30	30	
	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	f	25	25	25	10	15	100	M1	30	30	
	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	i	25	25	25	10	15	100	M1	30	30	
	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	j	25	25	25	10	15	100	M1	30	30	

Course Code	Program Outputs	Final:Essay/ written	Midterm:Essay/ written	Midterm:Essay/ written	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 224	a	30	30	30	2,5	2,5	2,5	2,5	100	M1	30	30
	Program Outputs	Final:Essay/ written	Midterm:Essay/ written	Midterm:Essay/ written	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	30	30	30	2,5	2,5	2,5	2,5	100	M1	30	30
	Program Outputs	Final:Essay/ written	Midterm:Essay/ written	Midterm:Essay/ written	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	30	30	30	2,5	2,5	2,5	2,5	100	M1	30	30

Course Code	Program Outputs	Quiz	Midterm	Final	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 253	a	15	35	35	15	100	M1	30	30
	Program Outputs	Quiz	Midterm	Final	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	b	15	35	35	15	100	M1	30	30
	Program Outputs	Quiz	Midterm	Final	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	c	15	35	35	15	100	M1	30	30
	Program Outputs	Quiz	Midterm	Final	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	15	35	35	15	100	M1	30	30
	Program Outputs	Quiz	Midterm	Final	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	i	15	35	35	15	100	M1	30	30
	Program Outputs	Quiz	Midterm	Final	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	15	35	35	15	100	M1	30	30

Course Code	Program Outputs	Quiz	Quiz	Quiz	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MBG 110	h	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 102	a	20	20	10	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 (%)
	c	20	20	10	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 (%)
	d	20	20	10	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	h	20	20	10	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 (%)**	
	j	20	20	10	5	25	20	100	M1	50	50	

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

Course Code	Program Outputs	Blog	Final Sınavı	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
TURK 102	j	70	30	100	M1	70	60	

Ölçümlerde Kullanılan Metotlarla İlgili Açıklamalar / ***Explanations About the Methods Used in Measurements***

Bütün metotlar için sadece dersi geçen öğrencilerin notları kullanılacaktır. / *For all methods, only the grades of students who pass the course will be used.*

- G: Öğrencilerin ilgili program çıktısını kazanacağı öngörülen minimum not / *G: Minimum grade at which students attain the relevant program outcome*
- T: Dersin ilgili program çıktısının kazanımı için yeterli sayılacağı eşik öğrenci yüzdesi / *T: Threshold percentage of students for the course to be considered sufficient for the attainment of the relevant program outcome*
- M1: Öğrencilerin %T'sinin dönem toplamlarının en az G olması / *M1: T% of the students to have a semester total of at least G*
- M2: Öğrencilerin %T'sinin dönem toplamlarının en az bölümdeki dönem toplamlarının ortalaması kadar olması/ *M2: T% of the students of the department to have a semester total of at least that of the department average*
- M3: Öğrencilerin dönem toplamlarının ortalamasının en az G olması / *M3: Average semester total of students of the department to be at least G*
- M4: Öğrencilerin %T'sinin dönem toplamlarının en az tüm bölümlerdeki tüm öğrencilerin dönem toplamlarının ortalaması kadar olması / *M4: T% of the students of the department to have a semester total of at least average semester total of all students from all departments*

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

4.2.2.1. 2025-2026 Akademik Yılı Güz Dönemi için / For 2025-2026 Academic Year Fall Semester;

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*													
b	M1	40	75	361	16	67.28	64.04	338	15	93.63	93.75	Yeterli √ / Sufficient √	93.75
c	M1	40	75	361	16	67.28	64.04	338	15	93.63	93.75	Yeterli √ / Sufficient √	93.75
d	M1	40	75	361	16	67.28	64.04	338	15	93.63	93.75	Yeterli √ / Sufficient √	93.75
e	M1	40	75	361	16	67.28	64.04	338	15	93.63	93.75	Yeterli √ / Sufficient √	93.75
h	M1	40	75	361	16	67.28	64.04	338	15	93.63	93.75	Yeterli √ / Sufficient √	93.75
ENG 101 - İngilizce ve Kompozisyon I / *ENG 101 - English and Composition I*													
i	M1	70	75	1478	25	83.35	81.81	1377	21	93.17	84	Yeterli √ / Sufficient √	84
j	M1	70	75	1478	25	83.35	81.81	1377	21	93.17	84	Yeterli √ / Sufficient √	84
k	M1	70	75	1478	25	83.35	81.81	1377	21	93.17	84	Yeterli √ / Sufficient √	84
ENG 102 - İngilizce ve Kompozisyon II / *ENG 102 - English and Composition II*													
i	M1	70	70	535	7	86.02	84.68	521	7	97.38	100	Yeterli √ / Sufficient √	100
j	M1	70	70	535	7	86.02	84.68	521	7	97.38	100	Yeterli √ / Sufficient √	100
k	M1	70	70	535	7	86.02	84.68	521	7	97.38	100	Yeterli √ / Sufficient √	100
GE 100 - Üniversite Hayatına Giriş / *GE 100 - Orientation*													
h	M1	12	80	1518	26	96.71	96.35	1518	26	100	100	Yeterli √ / Sufficient √	100
j	M1	12	80	1518	26	96.71	96.35	1518	26	100	100	Yeterli √ / Sufficient √	100
k	M1	12	80	1518	26	96.71	96.35	1518	26	100	100	Yeterli √ / Sufficient √	100

Program Çıktısı / Program Outcome	Yeterlilik Hesaplama Yöntemi / *Method*	(Ortalama) Yeterlilik Notu / *Minimum Successful Grade*	Yeterlilik Eşiği (%) / *Treshold Percentage (%)*	Toplam Öğrenci Sayısı / *Number of Students (All)*	Toplam Dept. Öğrenci Sayısı / *Number of Students (Dept.)*	Tüm Öğrenci Ort. / *Average (All Std.)*	Dept. Öğrenci Ort. / *Average (Dept. Std.)*	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / *Number of Succ. Students (Dept.)*	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / *Success Ratio (Dept.)*	Performans / *Performance*	Yeterlilik Oranı / *Success Ratio*
GE 251 - Üniversite Etkinlik Programı II / *GE 251 - Collegiate Activities Program II*													
h	M1	70	70	889	8	92.49	93.13	799	8	89.88	100	Yeterli √ / Sufficient √	100
k	M1	70	70	889	8	92.49	93.13	799	8	89.88	100	Yeterli √ / Sufficient √	100
HIST 200 - Türkiye Tarihi / *HIST 200 - History of Turkey*													
g	M1	70	75	1022	20	91.01	95.61	1006	20	98.43	100	Yeterli √ / Sufficient √	100
i	M1	70	75	1022	20	91.01	95.61	1006	20	98.43	100	Yeterli √ / Sufficient √	100
HUM 111 - Kültürler, Medeniyetler ve Düşünceler I / *HUM 111 - Cultures Civilizations and Ideas I*													
i	M1	50	50	1273	17	83.63	80.91	1273	17	100	100	Yeterli √ / Sufficient √	100
j	M1	50	50	1273	17	83.63	80.91	1273	17	100	100	Yeterli √ / Sufficient √	100
HUM 112 - Kültürler, Medeniyetler ve Düşünceler II / *HUM 112 - Cultures Civilizations and Ideas II*													
i	M1	50	50	289	7	83.97	87.79	289	7	100	100	Yeterli √ / Sufficient √	100
j	M1	50	50	289	7	83.97	87.79	289	7	100	100	Yeterli √ / Sufficient √	100
MATH 101 - Matematik I / *MATH 101 - Calculus I*													
a	M1	40	50	690	33	55.03	50.47	547	21	79.28	63.64	Yeterli √ / Sufficient √	63.64
b	M1	40	50	690	33	55.03	50.47	547	21	79.28	63.64	Yeterli √ / Sufficient √	63.64
g	M1	40	50	690	33	55.03	50.47	547	21	79.28	63.64	Yeterli √ / Sufficient √	63.64
j	M1	40	50	690	33	55.03	50.47	547	21	79.28	63.64	Yeterli √ / Sufficient √	63.64
MATH 102 - Matematik II / *MATH 102 - Calculus II*													
a	M1	40	50	183	7	59.14	62.09	150	7	81.97	100	Yeterli √ / Sufficient √	100
b	M1	40	50	183	7	59.14	62.09	150	7	81.97	100	Yeterli √ / Sufficient √	100
g	M1	40	50	183	7	59.14	62.09	150	7	81.97	100	Yeterli √ / Sufficient √	100
j	M1	40	50	183	7	59.14	62.09	150	7	81.97	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*
MATH 123 - Soyut Matematik I / *MATH 123 - Abstract Mathematics I*													
a	M1	30	40	39	22	62.91	64.29	39	22	100	100	Yeterli √ / Sufficient √	100
b	M1	30	40	39	22	62.91	64.29	39	22	100	100	Yeterli √ / Sufficient √	100
c	M1	30	40	39	22	62.91	64.29	39	22	100	100	Yeterli √ / Sufficient √	100
f	M1	30	40	39	22	62.91	64.29	39	22	100	100	Yeterli √ / Sufficient √	100
i	M1	30	40	39	22	62.91	64.29	39	22	100	100	Yeterli √ / Sufficient √	100
j	M1	30	40	39	22	62.91	64.29	39	22	100	100	Yeterli √ / Sufficient √	100
MATH 213 - İleri Matematik I / *MATH 213 - Advanced Calculus I*													
a	M1	30	40	46	34	48.38	49.65	31	23	67.39	67.65	Yeterli √ / Sufficient √	67.65
c	M1	30	40	46	34	48.38	49.65	31	23	67.39	67.65	Yeterli √ / Sufficient √	67.65
d	M1	30	40	46	34	48.38	49.65	31	23	67.39	67.65	Yeterli √ / Sufficient √	67.65
f	M1	30	40	46	34	48.38	49.65	31	23	67.39	67.65	Yeterli √ / Sufficient √	67.65
i	M1	30	40	46	34	48.38	49.65	31	23	67.39	67.65	Yeterli √ / Sufficient √	67.65
j	M1	30	40	46	34	48.38	49.65	31	23	67.39	67.65	Yeterli √ / Sufficient √	67.65
MATH 223 - Doğrusal Cebir I / *MATH 223 - Linear Algebra I*													
a	M1	30	30	44	36	52.48	52.71	43	35	97.73	97.22	Yeterli √ / Sufficient √	97.22
d	M1	30	30	44	36	52.48	52.71	43	35	97.73	97.22	Yeterli √ / Sufficient √	97.22
j	M1	30	30	44	36	52.48	52.71	43	35	97.73	97.22	Yeterli √ / Sufficient √	97.22

Program Çıktısı / Program Outcome	Yeterlilik Hesaplama Yöntemi / *Method*	(Ortalama) Yeterlilik Notu / *Minimum Successful Grade*	Yeterlilik Eşiği (%) / *Treshold Percentage (%)*	Toplam Öğrenci Sayısı / *Number of Students (All)*	Toplam Dept. Öğrenci Sayısı / *Number of Students (Dept.)*	Tüm Öğrenci Ort. / *Average (All Std.)*	Dept. Öğrenci Ort. / *Average (Dept. Std.)*	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / *Number of Succ. Students (Dept.)*	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / *Success Ratio (Dept.)*	Performans / *Performance*	Yeterlilik Oranı / *Success Ratio*
MATH 240 - Türevsel Denklemler / *MATH 240 - Differential Equations*													
a	M1	30	75	52	28	64.62	66.6	52	28	100	100	Yeterli √ / Sufficient √	100
b	M1	30	75	52	28	64.62	66.6	52	28	100	100	Yeterli √ / Sufficient √	100
d	M1	30	75	52	28	64.62	66.6	52	28	100	100	Yeterli √ / Sufficient √	100
MBG 110 - Modern Biyolojiye Giriş / *MBG 110 - Introduction to Modern Biology*													
h	M1	50	50	449	5	77.45	69.79	433	4	96.44	80	Yeterli √ / Sufficient √	80
PHYS 101 - Genel Fizik I / *PHYS 101 - General Physics I*													
a	M1	50	50	638	31	73.77	66.39	613	27	96.08	87.1	Yeterli √ / Sufficient √	87.1
c	M1	50	50	638	31	73.77	66.39	613	27	96.08	87.1	Yeterli √ / Sufficient √	87.1
d	M1	50	50	638	31	73.77	66.39	613	27	96.08	87.1	Yeterli √ / Sufficient √	87.1
h	M1	50	50	638	31	73.77	66.39	613	27	96.08	87.1	Yeterli √ / Sufficient √	87.1
j	M1	50	50	638	31	73.77	66.39	613	27	96.08	87.1	Yeterli √ / Sufficient √	87.1
PHYS 102 - Genel Fizik II / *PHYS 102 - General Physics II*													
a	M1	50	50	179	8	64.59	55.18	152	5	84.92	62.5	Yeterli √ / Sufficient √	62.5
c	M1	50	50	179	8	64.59	55.18	152	5	84.92	62.5	Yeterli √ / Sufficient √	62.5
d	M1	50	50	179	8	64.59	55.18	152	5	84.92	62.5	Yeterli √ / Sufficient √	62.5
h	M1	50	50	179	8	64.59	55.18	152	5	84.92	62.5	Yeterli √ / Sufficient √	62.5
j	M1	50	50	179	8	64.59	55.18	152	5	84.92	62.5	Yeterli √ / Sufficient √	62.5
TURK 101 - Türkçe I / *TURK 101 - Turkish I*													
j	M1	70	60	1373	23	87.67	86.99	1347	21	98.11	91.3	Yeterli √ / Sufficient √	91.3
TURK 102 - Türkçe II / *TURK 102 - Turkish II*													
j	M1	70	60	592	11	88.83	91.82	588	11	99.32	100	Yeterli √ / Sufficient √	100

4.2.2.2. 2025-2026 Akademik Yılı Bahar Dönemi için / For 2025-2026 Academic Year Spring Semester;

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*
COMD 358 - Profesyonel İletişim / *COMD 358 - Professional Communication*													
i	M1	60	70	337	15	79.59	79.08	335	15	99.41	100.00	Yeterli √ / *Sufficient* √	100.00
j	M1	60	70	337	15	79.59	79.08	335	15	99.41	100.00	Yeterli √ / *Sufficient* √	100.00
k	M1	60	70	337	15	79.59	79.08	335	15	99.41	100.00	Yeterli √ / *Sufficient* √	100.00
CS 115 - Python ile Programlamaya Giriş / *CS 115 - Introduction to Programming in Python*													
b	M1	40	75	273	10	67.50	70.83	269	10	98.53	100.00	Yeterli √ / *Sufficient* √	100.00
c	M1	40	75	273	10	67.50	70.83	269	10	98.53	100.00	Yeterli √ / *Sufficient* √	100.00
d	M1	40	75	273	10	67.50	70.83	269	10	98.53	100.00	Yeterli √ / *Sufficient* √	100.00
e	M1	40	75	273	10	67.50	70.83	269	10	98.53	100.00	Yeterli √ / *Sufficient* √	100.00
h	M1	40	75	273	10	67.50	70.83	269	10	98.53	100.00	Yeterli √ / *Sufficient* √	100.00
ENG 101 - İngilizce ve Kompozisyon I / *ENG 101 - English and Composition I*													
i	M1	70	60	672	9	81.86	75.68	623	7	92.71	77.78	Yeterli √ / *Sufficient* √	77.78
j	M1	70	60	672	9	81.86	75.68	623	7	92.71	77.78	Yeterli √ / *Sufficient* √	77.78
k	M1	70	60	672	9	81.86	75.68	623	7	92.71	77.78	Yeterli √ / *Sufficient* √	77.78
ENG 102 - İngilizce ve Kompozisyon II / *ENG 102 - English and Composition II*													
i	M1	70	70	1314	21	85.76	85.41	1284	18	97.72	85.71	Yeterli √ / *Sufficient* √	85.71
j	M1	70	70	1314	21	85.76	85.41	1284	18	97.72	85.71	Yeterli √ / *Sufficient* √	85.71
k	M1	70	70	1314	21	85.76	85.41	1284	18	97.72	85.71	Yeterli √ / *Sufficient* √	85.71

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*													
h	M1	12	80	545	5	95.50	98.00	545	5	100.00	100.00	Yeterli √ / *Sufficient* √	100.00
j	M1	12	80	545	5	95.50	98.00	545	5	100.00	100.00	Yeterli √ / *Sufficient* √	100.00
k	M1	12	80	545	5	95.50	98.00	545	5	100.00	100.00	Yeterli √ / *Sufficient* √	100.00
GE 251 - Üniversite Etkinlik Programı II / *GE 251 - Collegiate Activities Program II*													
h	M1	70	70	1401	24	93.93	94.38	1301	22	92.86	91.67	Yeterli √ / *Sufficient* √	91.67
k	M1	70	70	1401	24	93.93	94.38	1301	22	92.86	91.67	Yeterli √ / *Sufficient* √	91.67
HIST 200 - Türkiye Tarihi / *HIST 200 - History of Turkey*													
g	M1	70	75	917	8	91.63	90.72	900	8	98.15	100.00	Yeterli √ / *Sufficient* √	100.00
i	M1	70	75	917	8	91.63	90.72	900	8	98.15	100.00	Yeterli √ / *Sufficient* √	100.00
HUM 111 - Kültürler, Medeniyetler ve Düşünceler I / *HUM 111 - Cultures Civilizations and Ideas I*													
i	M1	60	75	504	8	81.94	84.55	500	8	99.21	100.00	Yeterli √ / *Sufficient* √	100.00
j	M1	60	75	504	8	81.94	84.55	500	8	99.21	100.00	Yeterli √ / *Sufficient* √	100.00
HUM 112 - Kültürler, Medeniyetler ve Düşünceler II / *HUM 112 - Cultures Civilizations and Ideas II*													
i	M1	60	75	1009	14	85.11	85.47	1002	14	99.31	100.00	Yeterli √ / *Sufficient* √	100.00
j	M1	60	75	1009	14	85.11	85.47	1002	14	99.31	100.00	Yeterli √ / *Sufficient* √	100.00
MATH 101 - Matematik I / *MATH 101 - Calculus I*													
a	M1	30	50	220	12	52.69	45.63	191	10	86.82	83.33	Yeterli √ / *Sufficient* √	83.33
b	M1	30	50	220	12	52.69	45.63	191	10	86.82	83.33	Yeterli √ / *Sufficient* √	83.33
g	M1	30	50	220	12	52.69	45.63	191	10	86.82	83.33	Yeterli √ / *Sufficient* √	83.33
j	M1	30	50	220	12	52.69	45.63	191	10	86.82	83.33	Yeterli √ / *Sufficient* √	83.33

Program Çıktısı / *Program Outcome*	Yeterlilik Hesaplama Yöntemi / *Method*	(Ortalama) Yeterlilik Notu / *Minimum Successful Grade*	Yeterlilik Eşiği (%) / *Treshold Percentage (%)*	Toplam Öğrenci Sayısı / *Number of Students (All)*	Toplam Dept. Öğrenci Sayısı / *Number of Students (Dept.)*	Tüm Öğrenci Ort. / *Average (All Std.)*	Dept. Öğrenci Ort. / *Average (Dept. Std.)*	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / *Number of Succ. Students (Dept.)*	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / *Success Ratio (Dept.)*	Performans / *Performance*	Yeterlilik Oranı / *Success Ratio*
MATH 102 - Matematik II / MATH 102 - Calculus II													
a	M1	40	50	618	22	54.79	52.24	524	20	84.79	90.91	Yeterli √ / *Sufficient* √	90.91
b	M1	40	50	618	22	54.79	52.24	524	20	84.79	90.91	Yeterli √ / *Sufficient* √	90.91
g	M1	40	50	618	22	54.79	52.24	524	20	84.79	90.91	Yeterli √ / *Sufficient* √	90.91
j	M1	40	50	618	22	54.79	52.24	524	20	84.79	90.91	Yeterli √ / *Sufficient* √	90.91
MATH 124 - Soyut Matematik II / *MATH 124 - Abstract Mathematics II*													
a	M1	30	30	22	21	50.31	48.93	19	18	86.36	85.71	Yeterli √ / *Sufficient* √	85.71
c	M1	30	30	22	21	50.31	48.93	19	18	86.36	85.71	Yeterli √ / *Sufficient* √	85.71
d	M1	30	30	22	21	50.31	48.93	19	18	86.36	85.71	Yeterli √ / *Sufficient* √	85.71
j	M1	30	30	22	21	50.31	48.93	19	18	86.36	85.71	Yeterli √ / *Sufficient* √	85.71
MATH 210 - Sonlu ve Ayrık Matematik / *MATH 210 - Finite and Discrete Mathematics*													
a	M1	30	30	34	29	59.41	60.82	33	29	97.06	100.00	Yeterli √ / *Sufficient* √	100.00
b	M1	30	30	34	29	59.41	60.82	33	29	97.06	100.00	Yeterli √ / *Sufficient* √	100.00
c	M1	30	30	34	29	59.41	60.82	33	29	97.06	100.00	Yeterli √ / *Sufficient* √	100.00
d	M1	30	30	34	29	59.41	60.82	33	29	97.06	100.00	Yeterli √ / *Sufficient* √	100.00
e	M1	30	30	34	29	59.41	60.82	33	29	97.06	100.00	Yeterli √ / *Sufficient* √	100.00
f	M1	30	30	34	29	59.41	60.82	33	29	97.06	100.00	Yeterli √ / *Sufficient* √	100.00
g	M1	30	30	34	29	59.41	60.82	33	29	97.06	100.00	Yeterli √ / *Sufficient* √	100.00
h	M1	30	30	34	29	59.41	60.82	33	29	97.06	100.00	Yeterli √ / *Sufficient* √	100.00
i	M1	30	30	34	29	59.41	60.82	33	29	97.06	100.00	Yeterli √ / *Sufficient* √	100.00
j	M1	30	30	34	29	59.41	60.82	33	29	97.06	100.00	Yeterli √ / *Sufficient* √	100.00
k	M1	30	30	34	29	59.41	60.82	33	29	97.06	100.00	Yeterli √ / *Sufficient* √	100.00

Program Çıktısı / *Program Outcome*	Yeterlilik Hesaplama Yöntemi / *Method*	(Ortalama) Yeterlilik Notu / *Minimum Successful Grade*	Yeterlilik Eşiği (%) / *Treshold Percentage (%)*	Toplam Öğrenci Sayısı / *Number of Students (All)*	Toplam Dept. Öğrenci Sayısı / *Number of Students (Dept.)*	Tüm Öğrenci Ort. / *Average (All Std.)*	Dept. Öğrenci Ort. / *Average (Dept. Std.)*	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / *Number of Succ. Students (Dept.)*	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / *Success Ratio (Dept.)*	Performans / *Performance*	Yeterlilik Oranı / *Success Ratio*
MATH 214 - İleri Matematik II / *MATH 214 - Advanced Calculus II*													
a	M1	30	30	38	37	66.37	65.91	38	37	100.00	100.00	Yeterli √ / *Sufficient* √	100.00
c	M1	30	30	38	37	66.37	65.91	38	37	100.00	100.00	Yeterli √ / *Sufficient* √	100.00
d	M1	30	30	38	37	66.37	65.91	38	37	100.00	100.00	Yeterli √ / *Sufficient* √	100.00
f	M1	30	30	38	37	66.37	65.91	38	37	100.00	100.00	Yeterli √ / *Sufficient* √	100.00
i	M1	30	30	38	37	66.37	65.91	38	37	100.00	100.00	Yeterli √ / *Sufficient* √	100.00
j	M1	30	30	38	37	66.37	65.91	38	37	100.00	100.00	Yeterli √ / *Sufficient* √	100.00
MATH 224 - Doğrusal Cebir II / *MATH 224 - Linear Algebra II*													
a	M1	30	30	33	29	57.28	55.41	33	29	100.00	100.00	Yeterli √ / *Sufficient* √	100.00
d	M1	30	30	33	29	57.28	55.41	33	29	100.00	100.00	Yeterli √ / *Sufficient* √	100.00
j	M1	30	30	33	29	57.28	55.41	33	29	100.00	100.00	Yeterli √ / *Sufficient* √	100.00
MATH 253 - Sayılar Teorisine Giriş / *MATH 253 - Introduction to Number Theory*													
a	M1	30	30	42	27	60.94	53.09	40	25	95.24	92.59	Yeterli √ / *Sufficient* √	92.59
b	M1	30	30	42	27	60.94	53.09	40	25	95.24	92.59	Yeterli √ / *Sufficient* √	92.59
c	M1	30	30	42	27	60.94	53.09	40	25	95.24	92.59	Yeterli √ / *Sufficient* √	92.59
d	M1	30	30	42	27	60.94	53.09	40	25	95.24	92.59	Yeterli √ / *Sufficient* √	92.59
i	M1	30	30	42	27	60.94	53.09	40	25	95.24	92.59	Yeterli √ / *Sufficient* √	92.59
j	M1	30	30	42	27	60.94	53.09	40	25	95.24	92.59	Yeterli √ / *Sufficient* √	92.59
MBG 110 - Modern Biyolojiye Giriş / *MBG 110 - Introduction to Modern Biology*													
h	M1	50	50	570	23	68.93	68.37	497	20	87.19	86.96	Yeterli √ / *Sufficient* √	86.96

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 102 - Genel Fizik II / *PHYS 102 - General Physics II*													
a	M1	50	50	649	31	66.67	55.95	570	19	87.83	61.29	Yeterli √ / *Sufficient* √	61.29
c	M1	50	50	649	31	66.67	55.95	570	19	87.83	61.29	Yeterli √ / *Sufficient* √	61.29
d	M1	50	50	649	31	66.67	55.95	570	19	87.83	61.29	Yeterli √ / *Sufficient* √	61.29
h	M1	50	50	649	31	66.67	55.95	570	19	87.83	61.29	Yeterli √ / *Sufficient* √	61.29
j	M1	50	50	649	31	66.67	55.95	570	19	87.83	61.29	Yeterli √ / *Sufficient* √	61.29
TURK 101 - Türkçe I / *TURK 101 - Turkish I*													
j	M1	70	60	597	5	85.40	82.06	578	4	96.82	80.00	Yeterli √ / *Sufficient* √	80.00
TURK 102 - Türkçe II / *TURK 102 - Turkish II*													
j	M1	70	60	1352	20	88.98	86.64	1335	19	98.74	95.00	Yeterli √ / *Sufficient* √	95.00

4.3. PERFORMANS ÖLÇÜM SONUÇLARI / *PERFORMANCE MEASUREMENT RESULTS*

4.3.1. PROGRAM ÇIKTILARI PERFORMANS TABLOSU / *PROGRAM OUTCOMES PERFORMANCE TABLE*

4.3.1.1. 2025-2026 Akademik Yılı Güz Dönemi için / For 2025-2026 Academic Year Fall Semester;

Dersler / *Courses*	Program Çıktıları / *Program Outcomes*										
	a	b	c	d	e	f	g	h	i	j	k
CS 115		93.75	93.75	93.75	93.75			93.75			
ENG 101									84	84	84
ENG 102									100	100	100
GE 100								100		100	100
GE 251								100			100
HIST 200							100		100		
HUM 111									100	100	
HUM 112									100	100	
MATH 101	63.64	63.64					63.64			63.64	
MATH 102	100	100					100			100	
MATH 123	100	100	100			100			100	100	
MATH 213	67.65		67.65	67.65		67.65			67.65	67.65	
MATH 223	97.22			97.22						97.22	
MATH 240	100	100		100							
MBG 110								80			
PHYS 101	87.1		87.1	87.1				87.1		87.1	
PHYS 102	62.5		62.5	62.5				62.5		62.5	
TURK 101										91.3	
TURK 102										100	

Tablo.4.3.1.1. 2025-2026 Akademik Yılı Güz Dönemi Matematik Lisans Programı Program Çıktıları Performans Tablosu/ ***Table.4.3.1.1.*** *2025-2026 Academic Year Fall Semester Mathematics Undergraduate Program - Program Outcomes Performance Table*

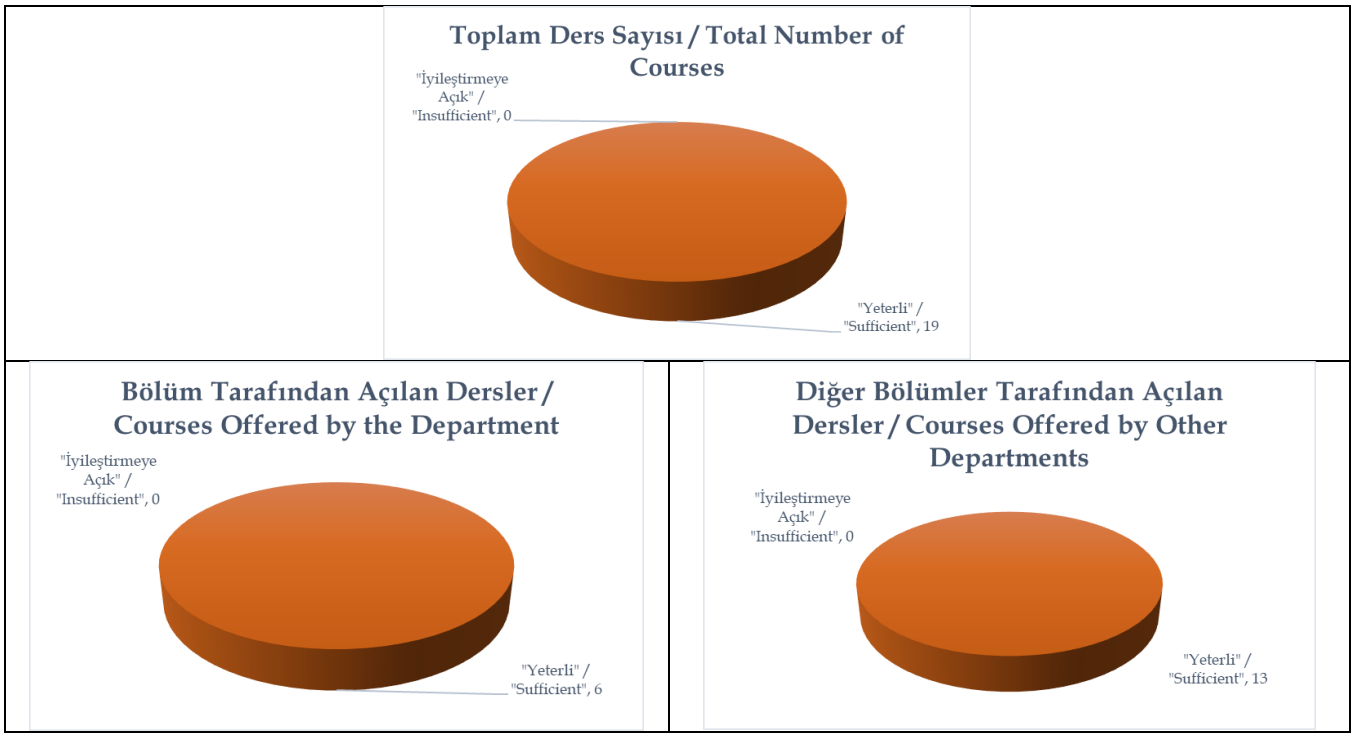
4.3.1.2. *2025-2026 Akademik Yılı Bahar Dönemi için / For 2025-2026 Academic Year Spring Semester;*

Dersler / *Courses*	Program Çıktıları / *Program Outcomes*										
	a	b	c	d	e	f	g	h	i	j	k
COMD 358									100.00	100.00	100.00
CS 115		100.00	100.00	100.00	100.00			100.00			
ENG 101									77.78	77.78	77.78
ENG 102									85.71	85.71	85.71
GE 100								100.00		100.00	100.00
GE 251								91.67			91.67
HIST 200							100.00		100.00		
HUM 111									100.00	100.00	
HUM 112									100.00	100.00	
MATH 101	83.33	83.33					83.33			83.33	
MATH 102	90.91	90.91					90.91			90.91	
MATH 124	85.71		85.71	85.71						85.71	
MATH 210	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
MATH 214	100.00		100.00	100.00		100.00			100.00	100.00	
MATH 224	100.00			100.00						100.00	
MATH 253	92.59	92.59	92.59	92.59					92.59	92.59	
MBG 110								86.96			
PHYS 102	61.29		61.29	61.29				61.29		61.29	
TURK 101										80.00	
TURK 102										95.00	

Tablo.4.3.1.2. 2025-2026 Akademik Yılı Bahar Dönemi Matematik Lisans Programı Program Çıktıları Performans Tablosu / ***Table.4.3.1.2.*** *2025-2026 Academic Year Spring Semester Mathematics Undergraduate Program - Program Outcomes Performance Table*

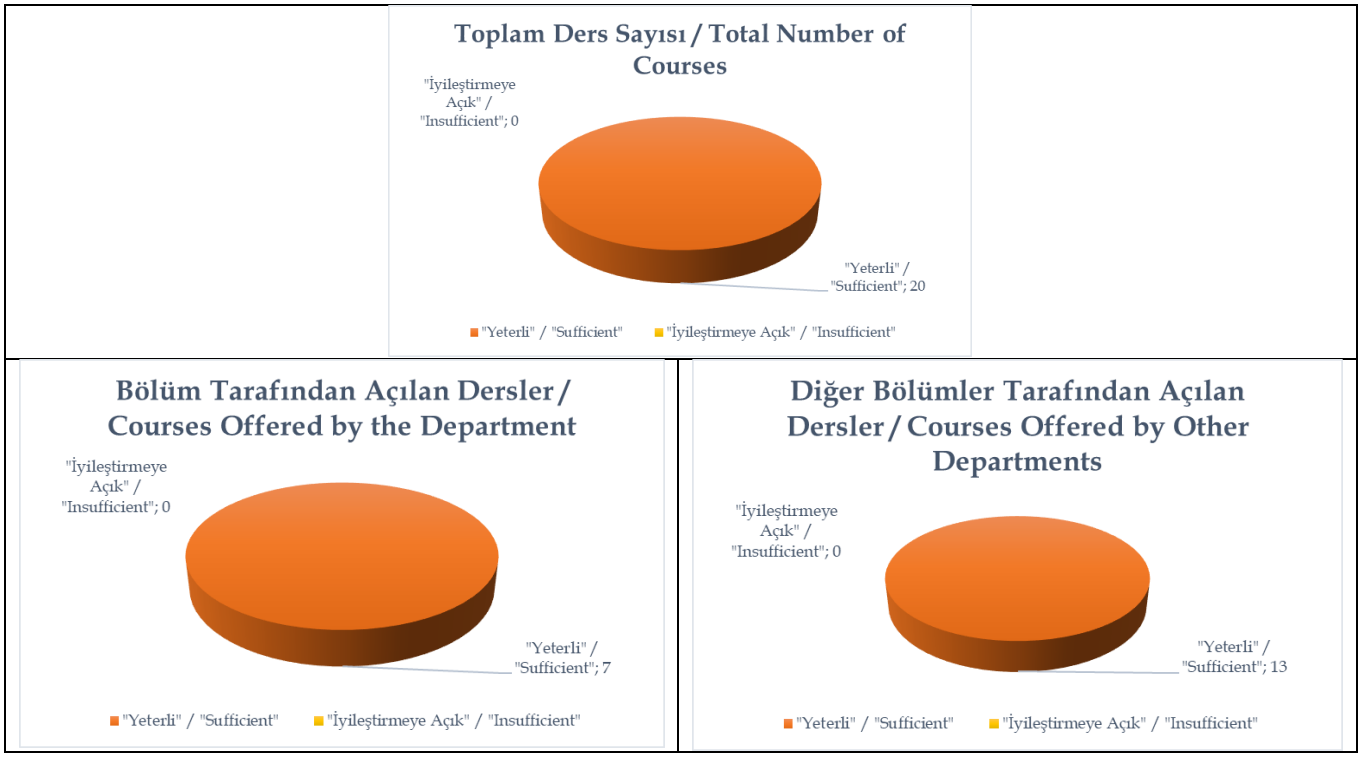
4.3.2. PROGRAM ÇIKTILARI PERFORMANS ANALİZLERİ / *PROGRAM OUTCOMES PERFORMANCE ANALYSIS*

4.3.2.1. *2025-2026 Akademik Yılı Güz Dönemi için / For 2025-2026 Academic Year Fall Semester;*



Tablo.4.3.2.1. 2025-2026 Akademik Yılı Güz Dönemi Matematik Lisans Programı Program Çıktıları Performans Tablosu (Dersler için) / ***Table.4.3.2.1.*** *2025-2026 Academic Year Fall Semester Mathematics Undergraduate Program - Program Outcomes Performance Analysis Table (For Courses)*

4.3.2.2. *2025-2026 Akademik Yılı Bahar Dönemi için / For 2025-2026 Academic Year Spring Semester;*



Tablo.4.3.2.2. 2025-2026 Akademik Yılı Bahar Dönemi Matematik Lisans Programı Program Çıktıları Performans Tablosu (Dersler için) / ***Table.4.3.2.2.*** *2025-2026 Academic Year Spring Semester Mathematics Undergraduate Program - Program Outcomes Performance Analysis Table (For Courses)*

5. DEĞERLENDİRME / *EVALUATION*

5.1. PROGRAM ÇIKTILARI ÖLÇÜM SONUÇLARININ DEĞERLENDİRİLMESİ / *EVALUATION OF PROGRAM OUTCOMES MEASUREMENT RESULTS*

The assessments of the 11 program outcomes of the Department of Mathematics for the 2025-2026 academic year were made based on 19 courses for the Fall semester, and based on 20 courses for the Spring semester.

As a result of these assessments, it was determined that sufficient performance levels were realized in all of these courses, and the planned goals have been achieved for both semesters of the 2025-2026 academic year.

5.2. EĞİTİM AMAÇLARININ DEĞERLENDİRİLMESİ / *EVALUATION OF EDUCATIONAL OBJECTIVES*

The Advisory Board of the Department of Mathematics met on April 28, 2026 under the chairpersonship of Assoc. Prof. Hamza Yeşilyurt.

The Board was pleased to observe that the new undergraduate curriculum (which will take effect in Fall 2026) is a step in the direction of the Board's past recommendations.

The Board had the following further suggestions and recommendations:

- Steps must be taken to integrate the use of generative artificial intelligence tools into the students' learning and research processes. Care must be exerted so that the students are able to use GenAI tools productively, but they are also aware of how to use them responsibly and ethically. This should take place along with a continuing emphasis on critical thinking skills and creativity.
- The students must be encouraged to take more courses that support their skills in coding and developing algorithms as well as to develop their familiarity with specialized software programs available in various areas of mathematics.
- Student-faculty interaction must be further encouraged and facilitated with the goals of giving a fuller orientation to the incoming students and giving more detailed feedback in terms of their future carrier choices to the outgoing students.

Asst. Prof. Yasir Kızmaz met with the members of Graduate Advisory Committee on March 25, 2026.

The comments and suggestions of the graduate students members are as follows:

- The faculty members are always accessible and willing to give academic advice and guidance.
- Due to heavy service course load of the Mathematics Department, the number and variety of graduate courses that can be offered are very limited. The number of faculty should be increased and the graduate courses should be allowed to open with lower student numbers.

Asst. Prof. Yasir Kızmaz met with the members of Graduate Advisory Committee on March 25, 2026.

The comments and suggestions of the graduate students members are as follows:

- The faculty members are always accessible and easy to communicate with.
- The high number of departmental seminars in a wide range of topics is very useful in introducing the undergraduate students to the general panorama of mathematics
- Due to heavy service course load of the Mathematics Department, the number and variety of elective undergraduate courses that can be offered are very limited. The number of faculty should be increased to allow the department offer a wider variety of departmental elective course choices.