2025-2026 AKADEMİK YILI /
Academic Year

EĞİTİMDE KALİTE GÜVENCESİ YILLIK RAPORU

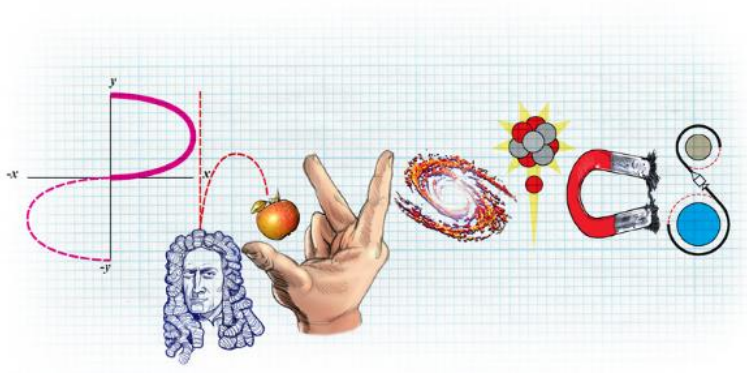
QUALITY ASSURANCE IN EDUCATION ANNUAL REPORT

FEN FAKÜLTESİ

FACULTY OF SCIENCE

FİZİK LİSANS PROGRAMI (PHYS)

PHYSICS UNDERGRADUATE PROGRAM (PHYS)



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FEN FAKÜLTESİ / *FACULTY OF SCIENCE*

FİZİK LİSANS PROGRAMI – PHYS / *PHYSICS UNDERGRADUATE PROGRAM - PHYS*

1. BÖLÜM HAKKINDA / *ABOUT THE DEPARTMENT*

1.1. EĞİTİM AMAÇLARI / *EDUCATIONAL OBJECTIVES*

Programın mezunlarının mezuniyetlerinden sonra birkaç yıl içinde aşağıdaki programın 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 graduation:*

- PEO1: Fizik mezunları, kariyerlerinde akademik veya endüstriyel ortamlarda önde gelen araştırmacılar olarak ayırt edilecektir. / *PEO1: PHYS graduates will be distinguished in their careers as prominent researchers in academic or industrial settings.*
- PEO2: Fizik mezunları, çeşitli alanlardaki karmaşık sorunları çözmek için analitik düşünme becerilerini ve teknik uzmanlıklarını uygulayacaklardır. / *PEO2: PHYS graduates will apply their analytical thinking skills and technical expertise to solve complex problems in various fields.*
- PEO3: Fizik mezunları, ellerindeki problemle ilgili bilgi seviyelerini değerlendirecek ve bilgi ve becerilerini geliştirmek için yaşam boyu öğrenmeye katılacaklardır. / *PEO3: PHYS graduates will assess their level of information related to their problems and engage in lifelong learning to improve their knowledge and skills.*
- PEO4: Fizik mezunları, temel bilim ve / veya teknolojiye katkıda bulunarak yüksek lisans dereceleri (Yüksek Lisans ve Doktora) alacaklardır. / *PEO4: PHYS graduates will obtain graduate degrees (M.S. and Ph.D) by contributing to basic science and/or technology.*

1.1.1. DANIŞMA KURULU / *ADVISORY BOARD*

- Prof.Dr. Alpan Bek, Öğretim Üyesi, Orta Doğu Teknik Üniversitesi / *Prof. Dr. Alpan Bek, Faculty Member, Middle East Technical University*
- Prof.Dr. Mete Atatüre, Öğretim Üyesi, Cambridge Üniversitesi, Birleşik Krallık / *Prof. Dr. Mete Atatüre, Faculty Member, Cambridge University, United Kingdom*
- Doç. Dr. Cem Sevik, Öğretim Üyesi, Eskişehir Teknik Üniversitesi / *Assoc. Dr. Cem Sevik, Faculty Member, Eskişehir Technical University*
- Doç. Dr. Hümeyra Çağlayan, Öğretim Üyesi, Tampere Teknoloji Üniversitesi, Finlandiya / *Assoc. Dr. Hümeyra Çağlayan, Faculty Member, Tampere University of Technology, Finland*
- Dr. Erkan Tekman, Öğretim Görevlisi, Koç Üniversitesi / *Dr. Erkan Tekman, Faculty Member, Koç University*
- Ozan Yerli, CEO, Connected2.me / *Ozan Yerli, CEO, Connected2.me*

1.2. LİSANS PROGRAMI / *UNDERGRADUATE PROGRAM*

1.2.1. MÜFREDAT / *CURRICULUM*

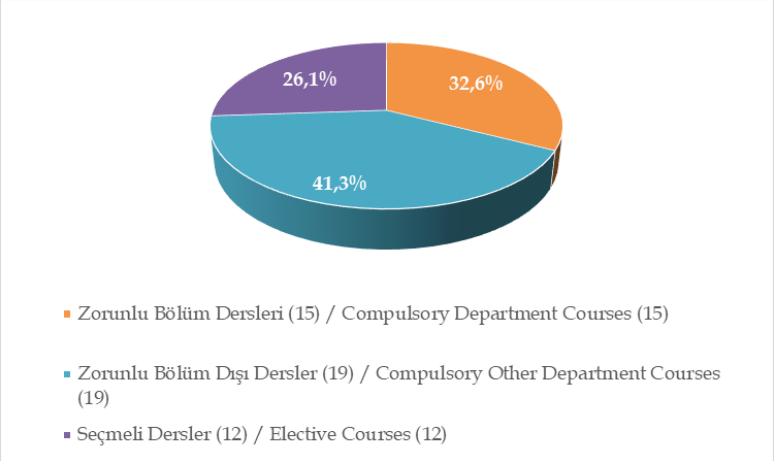
Birinci Yıl / *First Year*					
Güz Dönemi / *Fall Semester*					
Ders Kod / *Course Code*	Ders Adı / *Course Name*	Saatler / *Hours*		Kredi / *Credits*	
		Ders / *Lecture*	Lab / Stüdyo / Diğer / *Lab / Studio / Others*	Bilkent	ECTS
CHEM 101	Kimyanın Temelleri I / *Principles of Chemistry I*	3	4	4	6.5
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
PHYS 101	Genel Fizik I / *General Physics I*	3	3	4	6.5
PHYS 120	Fizik Öğrencileri İçin Üniversite Hayatına Giriş / *Orientation for Physics Majors*	1	0	1	2
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
CHEM 102	Kimyanın Temelleri II / *Principles of Chemistry 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
PHYS 102	Genel Fizik II / General Physics II	4	0	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 / *Introdcution 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 241	Mühendislik Matematiği I / *Engineering Mathematics I*	4	0	4	6.5
MBG 110	Modern Biyolojiye Giriş / *Introduction to Modern Biology*	3	0	3	5
PHYS 211	Dalgalar, Optik ve Termodinamik / *Waves, Optics and Thermodynamics*	3	0	4	6.5
Bahar Dönemi / *Spring Semester*					
Ders Kod / *Course Code*	Ders Adı / *Course Name*	Saatler / *Hours*		Kredi / *Credits*	
		Ders / *Lecture*	Lab / Stüdyo / Diğer / *Lab / Studio / Others*	Bilkent	ECTS
GE 251	Üniversite Etkinlik Programı II / *Collegiate Activities Program II*	0	0	1	2
MATH 242	Mühendislik Matematiği II / *Engineering Mathematics II*	4	0	4	6.5
PHYS 212	Modern Fizik / *Modern Physics*	3	0	4	6.5
PHYS 218	Analitik Mekanik / *Analytical Mechanics*	3	0	3	5
PHYS 242	Fizik Uygulamaları İçin İleri Matematik / *Advanced Calculus for Applications in Physics*	3	0	3	5
	Seçmeli Ders / *Elective*			3	

Üçüncü Yıl / *Third Year*					
Güz Dönemi / *Fall Semester*					
Ders Kod / *Course Code*	**Ders Adı / *Course Name***	**Saatler / *Hours***		**Kredi / *Credits***	
		Ders / *Lecture*	**Lab / Stüdyo / Diğer / *Lab / Studio / Others***	**Bilkent**	**ECTS**
COMD 358	Profesyonel İletişim / *Professional Communication*	3	0	3	5
HUM 111	Kültürler, Medeniyetler ve Düşünceler I / *Cultures Civilizations and Ideas I*	3	0	3	5
PHYS 291	Yaz Stajı / *Summer Practice*	0	0	0	7
PHYS 315	Elektromanyetik Teori I / *Electromagnetic Theory I*	3	0	3	5
PHYS 325	Kuantum Mekaniği I / *Quantum Mechanics I*	3	0	3	5
PHYS 371	Fizikte Sayısal Yöntemler / *Numerical Methods in Physics*	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**
HUM 112	Kültürler, Medeniyetler ve Düşünceler II / *Cultures Civilizations and Ideas II*	3	0	3	5
PHYS 334	İstatistiksel Fizik / *Statistical Physics*	3	0	3	5
PHYS 374	Fiziğin Deneysel Yöntemleri / *Experimental Methods of Physics*	3	3	4	6.5
	Seçmeli Ders / *Elective*			3	
	Fizik Seçmeli Dersi / *Physics 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**
PHYS 491	Bitirme Projesi I / *Senior Project I*	0	4	4	6,5
	Seçmeli Ders / *Elective*			3	
	Fizik Seçmeli Dersi / *Physics Elective*			3	
	Temel Sosyal Bilimler Seçmeli Dersi / *Social Science Core Elective*			3	
	Teknik Seçmeli Ders / *Technical 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**
PHYS 492	Bitirme Projesi II / *Senior Project II*	0	4	4	6,5
	Temel Sanat Seçmeli Dersi / *Arts Core Elective*			3	
	Seçmeli Ders / *Elective*			3	
	Fizik Seçmeli Dersi / *Physics Elective*			3	
	Teknik Seçmeli Ders (2) / *Technical Elective (2)*			6	

1.2.2. DERSLERİN DAĞILIMI / *DISTRIBUTION COURSES*



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

1.3. ÖĞRENCİLER / *STUDENTS*

1.3.1. ÖĞRENCİ SAYILARI / *NUMBER OF STUDENTS*

	Öğrenci Sayıları / *Number of Students*
Hazırlık / *Prep*	13
1. Sınıf / *1. Class*	35
2. Sınıf / *2. Class*	36
3. Sınıf / *3. Class*	27
4. Sınıf / *4. Class*	45
Toplam Öğrenci Sayısı / *Total Number of Students*	**156**

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

1.3.2. YABANCI ÖĞRENCİ SAYILARI / *NUMBER OF FOREIGN STUDENTS*

	Yabancı Öğrenci Sayıları / *Number of Foreign Students*
2. Sınıf / *2. Class*	5
3. Sınıf / *3. Class*	1
Toplam Yabancı Öğrenci Sayısı / *Total Number of Foreign Students*	**6**

Tablo.1.3.2. 2025-2026 Akademik Yılı Fizik Lisans Programı Yabancı Öğrenci Sayıları / ***Table.1.3.2.*** *Number of Foreign Students in Physics 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*	11
Doçent Doktor / *Associate Professor*	2
Doktor Öğretim Üyesi / *Asisstant Professor*	3
Öğretim Görevlisi / *Instructor*	2
Araştırma Görevlisi / *Research Assistant*	1
Toplam Öğretim Elemanı Sayısı / *Total Number of Faculty Members*	**19**

Tablo.1.4.1. 2025-2026 Akademik Yılında Fizik Lisans Programı Kadrolu ve Yarı Zamanlı Öğretim Elemanı Sayıları / ***Table.1.4.1.*** *Number of Full-Time and Part-Time Faculty Members in the Physics 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*
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Onur Tokel
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Şahin Büyükdağlı
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Deniz Aybaş
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Emre Ozan Polat
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Aydın Cem Keser
Öğretim Görevlisi / Instructor	Tam Zamanlı / Full Time	Sevilay Sevinçli
Öğretim Görevlisi / Instructor	Tam Zamanlı / Full Time	Manouchehr Takrimi
Araştırma Görevlisi / Research Assistant	Tam Zamanlı / Full Time	Efe Dorukhan Salepci
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Haldun Sevinçli
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Bilal Tanatar
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Ekmel Özbay
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Ceyhun Bulutay
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Mehmet Cemal Yalabık
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Bayram Tekin
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Oğuz Gülseren
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Mehmet Özgür Oktel
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Hilmi Volkan Demir
Profesör Doktor / Professor Doctor	Yarı Zamanlı / Part Time	Ali Ulvi Yılmazer
Profesör Doktor / Professor Doctor	Yarı Zamanlı / Part Time	Özgür Baştürk

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

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

- Ceyhun Bulutay
- Mehmet Özgür Oktel

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

Natural Sciences 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	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.	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	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	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.

		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.	W4. Taking part in decision making processes for problems in different discipline areas. W5. Using time effectively in achieving results through analytic thinking skills.	developing professional knowledge and skills.	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.	

3. PROGRAM ÇIKTILARI / *PROGRAM OUTCOMES*

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

a. Verilen bir problemle ilgili evrensel fiziksel yasaları tanır, bu yasaları matematiksel ve sayısal tekniklerle uygular. / *Recognize universal physical laws relevant to a given problem, apply these laws through mathematical and computational techniques.*

b. Bilimsel bilginin kaynağını, güvenilirliğini ve geçerlilik sınırlarını eleştirel olarak değerlendirir. / *Critically assess the source, reliability and limits of validity of scientific knowledge.*

c. Deneyleri tasarlamak, yürütmek ve analiz etmek için bilimsel yöntemi kullanır. / *Use the scientific method to design, execute and analyze experiments.*

d. Teknolojik kaynakları ve analitik düşünmeyi uygun zaman yönetimi ile kullanarak problem çözme yeteneğini gösterir. / *Demonstrate problem solving ability using technological resources and analytical thinking with proper time management.*

e. Fikirleri, düşünceleri etkili bir şekilde organize edebilir ve bunları çeşitli izleyicilere iletmek için gerekli yazma ve iletişim becerilerini geliştirebilir. / *Develop writing and communication skills necessary to effectively organize ideas and thoughts, and to convey them to various audiences.*

f. Disiplinlerarası çalışmalarda hem bireysel hem de takım üyesi olarak etkin bir şekilde kararlar alır. / *Participate efficiently in interdisciplinary work, taking decisions both individually and as a group member.*

g. Fiziğin küresel, toplumsal, ekonomik ve çevresel etkilerini tanımlar. / *Identify the global impact of physics in societal, economic and environmental contexts.*

h. Mevcut bilgi durumunu değerlendirir ve spesifik hedefler için yeni bilgi edinme planını iyileştirir. / *Evaluate current state of knowledge and refine a plan to acquire new knowledge for specific goals.*

i. Mesleki ve etik sorumluluğu, iş sağlığı ve işyeri güvenliğini göz önünde bulundurur. / *Demonstrate professional and ethical responsibility, value occupational health and workplace safety.*

j. 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.*

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)
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 Fizik Lisans Programı Program Çıktıları Bağlantı Tablosu / ***Table.3.2.*** *National Qualifications and Physics 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)
CHEM 101	✔	✔	✔							
CHEM 102	✔		✔	✔		✔				
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 241	✔			✔						
MATH 242	✔			✔						
MBG 110	✔	✔	✔			✔	✔		✔	

Dersler / *Courses*	Program Çıktıları / *Program Outcomes*									
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
PHYS 101	✔	✔			✔					
PHYS 102	✔	✔			✔					
PHYS 120			✔						✔	
PHYS 211	✔		✔	✔						
PHYS 212	✔		✔				✔			
PHYS 218	✔		✔	✔						
PHYS 242	✔			✔						
PHYS 291					✔	✔	✔		✔	
PHYS 315	✔		✔	✔						
PHYS 325	✔	✔	✔	✔						
PHYS 334	✔			✔			✔			
PHYS 371	✔	✔	✔	✔	✔					
PHYS 374		✔		✔	✔	✔		✔		
PHYS 491		✔	✔	✔	✔					
PHYS 492		✔	✔	✔	✔					
TURK 101					✔		✔	✔		
TURK 102					✔		✔	✔		

Tablo.4.1. Fizik Lisans Programı Program Çıktılarının Müfredat Dersleri ile Eşleşme Tablosu / ***Table.4.1.*** *Physics 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 work	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
CHEM 101	a	50	50	100	M3	50
	Program Outputs	Lab work	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
	b	50	50	100	M3	50
	Program Outputs	Lab work	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
	c	50	50	100	M3	50

Course Code	Program Outputs	Homework	Homework	Homework	Homework	Midterm	Presentations	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
COMD 358	e	5	5	5	5	30	40	10	100	M1	60	70
	Program Outputs	Homework	Homework	Homework	Homework	Midterm	Presentations	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	f	5	5	5	5	30	40	10	100	M1	60	70
	Program Outputs	Homework	Homework	Homework	Homework	Midterm	Presentations	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	i	5	5	5	5	30	40	10	100	M1	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	d	40	20	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	e	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	e	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

Course Code	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
GE 251	j	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	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 (%)
	f	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	d	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 (%)
	e	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	d	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 (%)
	e	30	10	30	30	100	M1	60	75

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

Course Code	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Quiz	Quiz	Quiz	Quiz	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 241	a	35	35	6	6	6	6	6	100	M1	25	75
	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Quiz	Quiz	Quiz	Quiz	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	35	35	6	6	6	6	6	100	M1	25	75

Course Code	Program Outputs	Midterm:Essay/ written	Quiz	Homework	Final:Essay/ written	MATLAB	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 242	a	30	30	5	30	5	100	M1	30	75
	Program Outputs	Midterm:Essay/ written	Quiz	Homework	Final:Essay/ written	MATLAB	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	30	30	5	30	5	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	b	7,5	7,5	7,5	7,5	20	25	25	100	M1	50	50
	Program Outputs	Homework	Quiz	Quiz	Quiz	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	g	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 (%)
	b	15	20	15	5	25	20	100	M1	50	50
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	e	15	20	15	5	25	20	100	M1	50	50

Course Code	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 102	a	15	20	15	5	25	20	100	M1	50	50
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	b	15	20	15	5	25	20	100	M1	50	50
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	e	15	20	15	5	25	20	100	M1	50	50

Course Code	Program Outputs	In-class attendance	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 120	c	50	50	100	M1	50	50
	Program Outputs	In-class attendance	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	i	50	50	100	M1	50	50

Course Code	Program Outputs	Final:Essay/ written	Midterm:Essay/ written	Project	Homework	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 211	a	25	20	30	10	15	100	M1	50	50
	Program Outputs	Final:Essay/ written	Midterm:Essay/ written	Project	Homework	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	c	25	20	30	10	15	100	M1	50	50

Course Code	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Homework	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 315	a	25	25	15	35	100	M1	50	50
	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Homework	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	c	25	25	15	35	100	M1	50	50

Course Code	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 325	a	25	25	35	15	100	M1	50	50
	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	c	25	25	35	15	100	M1	50	50

Course Code	Program Outputs	Quiz	Project	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 371	c	25	35	40	100	M1	50	50
	Program Outputs	Quiz	Project	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	25	35	40	100	M1	50	50
	Program Outputs	Quiz	Project	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	e	25	35	40	100	M1	50	50

Course Code	Program Outputs	Papers(s)/ Reports	Presentations	Papers(s)/ Reports	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 491	b	20	40	40	100	M1	50	50
	Program Outputs	Papers(s)/ Reports	Presentations	Papers(s)/ Reports	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	c	20	40	40	100	M1	50	50
	Program Outputs	Papers(s)/ Reports	Presentations	Papers(s)/ Reports	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	20	40	40	100	M1	50	50
	Program Outputs	Papers(s)/ Reports	Presentations	Papers(s)/ Reports	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	e	20	40	40	100	M1	50	50

Course Code	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Presentations	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 492	b	20	40	40	100	M1	50	50
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Presentations	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	c	20	40	40	100	M1	50	50
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Presentations	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	20	40	40	100	M1	50	50
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Presentations	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	e	20	40	40	100	M1	50	50

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

Course Code	Program Outputs	Blog	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
TURK 101	h	70	30	100	M1	70	60	
Course Code	Program Outputs	Blog	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
TURK 102	a	70	30	100	M1	70	60	
	Program Outputs	Blog	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	h	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	Lab work	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
CHEM 101	a	50	50	100	M3	50
	Program Outputs	**Lab work**	**Final:Essay/ written**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**
	b	50	50	100	M3	50
	Program Outputs	**Lab work**	**Final:Essay/ written**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**
	c	50	50	100	M3	50

Course Code	Program Outputs	Quiz	Midterm	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
CHEM 102	a	50	50	100	M3	70
	Program Outputs	**Quiz**	**Midterm**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**
	c	50	50	100	M3	70
	Program Outputs	**Quiz**	**Midterm**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**
	d	50	50	100	M3	70
	Program Outputs	**Quiz**	**Midterm**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**
	f	50	50	100	M3	70

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

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

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

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	b	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 (%)
	e	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 (%)
	f	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 (%)
	i	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	b	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 (%)
	e	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 (%)
	f	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
	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 (%)
	h	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 (%)
	i	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	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
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	100	100	M1	12	80

Course Code	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
GE 251	g	100	100	M1	70	70
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	h	100	100	M1	70	70
	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	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	b	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 (%)
	f	10	60	30	100	M1	70	75
	Program Outputs	Oral presentation	Research essay	Performance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	h	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	b	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 (%)
	d	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 (%)
	e	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 (%)
	i	30	30	10	30	100	M1	60	74

Course Code	Program Outputs	Quizzes	In-class participation	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
HUM 112	b	30	10	30	30	100	M1	50	75
	Program Outputs	Quizzes	In-class participation	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	30	10	30	30	100	M1	50	75
	Program Outputs	Quizzes	In-class participation	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	e	30	10	30	30	100	M1	50	75
	Program Outputs	Quizzes	In-class participation	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	i	30	10	30	30	100	M1	50	75

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

Course Code	Program Outputs	Midterm: Essay/written	Final:Essay/ written	Quiz	Quiz	Quiz	Quiz	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 241	a	35	35	6	6	6	6	6	100	M1	25	75
	Program Outputs	**Midterm: Essay/written**	**Final:Essay/ written**	**Quiz**	**Quiz**	**Quiz**	**Quiz**	**Quiz**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**
	d	35	35	6	6	6	6	6	100	M1	25	75

Course Code	Program Outputs	Midterm: Essay/written	Quiz	Homework	Final:Essay/ written	MATLAB	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MATH 242	a	30	30	5	30	5	100	M1	30	75
	Program Outputs	**Midterm: Essay/written**	**Quiz**	**Homework**	**Final:Essay/ written**	**MATLAB**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**
	d	30	30	5	30	5	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	b	5	5	5	25	30	30	100	M1	50	50	
	Program Outputs	Quiz	Quiz	Quiz	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	g	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	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 (%)	
	b	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 (%)	
	e	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	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 (%)	
	b	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 (%)	
	e	20	20	10	5	25	20	100	M1	50	50	
Course Code	Program Outputs	Midterm: Essay/written	Final:Essay/ written	Term project	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
PHYS 212	a	25	25	30	20	100	M1	50	50			
	Program Outputs	Midterm: Essay/written	Final:Essay/ written	Term project	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	c	25	25	30	20	100	M1	50	50			

Course Code	Program Outputs	Midterm: Essay/written	Final:Essay/ written	Term project	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
PHYS 212	g	25	25	30	20	100	M1	50	50	

Course Code	Program Outputs	Midterm	Midterm	Final	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
PHYS 218	a	20	25	35	10	10	100	M1	50	50	

Course Code	Program Outputs	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 242	a	30	30	40	100	M1	40	40
	Program Outputs	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	30	30	40	100	M1	40	40

Course Code	Program Outputs	Midterm	Midterm	Final	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 334	a	15	20	30	30	5	100	M1	40	50
	Program Outputs	Midterm	Midterm	Final	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	15	20	30	30	5	100	M1	40	50
	Program Outputs	Midterm	Midterm	Final	Quiz	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	g	15	20	30	30	5	100	M1	40	50

Course Code	Program Outputs	Quiz	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 374	b	10	90	100	M1	50	50
	Program Outputs	Quiz	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	10	90	100	M1	50	50

Course Code	Program Outputs	Quiz	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
PHYS 374	e	10	90	100	M1	50	50	
	Program Outputs	Quiz	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	f	10	90	100	M1	50	50	
	Program Outputs	Quiz	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	h	10	90	100	M1	50	50	

Course Code	Program Outputs	Papers(s)/ Reports	Presentations	Papers(s)/ Reports	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 491	b	20	40	40	100	M1	50	50
	Program Outputs	Papers(s)/ Reports	Presentations	Papers(s)/ Reports	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	c	20	40	40	100	M1	50	50
	Program Outputs	Papers(s)/ Reports	Presentations	Papers(s)/ Reports	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	20	40	40	100	M1	50	50
	Program Outputs	Papers(s)/ Reports	Presentations	Papers(s)/ Reports	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	e	20	40	40	100	M1	50	50

Course Code	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Presentations	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
PHYS 492	b	20	40	40	100	M1	50	50
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Presentations	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	c	20	40	40	100	M1	50	50
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Presentations	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	d	20	40	40	100	M1	50	50
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Presentations	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	e	20	40	40	100	M1	50	50

Course Code	Program Outputs	Blog	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
TURK 101	e	70	30	100	M1	70	60	
	Program Outputs	**Blog**	**Final**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**	
	g	70	30	100	M1	70	60	
	Program Outputs	**Blog**	**Final**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**	
	h	70	30	100	M1	70	60	
Course Code	**Program Outputs**	**Blog**	**Final**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**	
TURK 102	a	70	30	100	M1	70	60	
	Program Outputs	**Blog**	**Final**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**	
	e	70	30	100	M1	70	60	
	Program Outputs	**Blog**	**Final**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**	
	g	70	30	100	M1	70	60	
	Program Outputs	**Blog**	**Final**	**Total Contribution**	**Qualification Calculation Method**	**(Average) Qualification Grade**	**Qualification Threshold (%)**	
	h	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*
CHEM 101 - Kimyanın Temelleri I / *CHEM 101 - Principles of Chemistry I*													
a	M3	50		95	26	75.98	78.43	95	26	100	100	Yeterli √ / Sufficient √	78.43
b	M3	50		95	26	75.98	78.43	95	26	100	100	Yeterli √ / Sufficient √	78.43
c	M3	50		95	26	75.98	78.43	95	26	100	100	Yeterli √ / Sufficient √	78.43
COMD 358 - Profesyonel İletişim / *COMD 358 - Professional Communication*													
e	M1	60	70	488	24	84.59	88.6	487	24	99.8	100	Yeterli √ / Sufficient √	100
f	M1	60	70	488	24	84.59	88.6	487	24	99.8	100	Yeterli √ / Sufficient √	100
i	M1	60	70	488	24	84.59	88.6	487	24	99.8	100	Yeterli √ / Sufficient √	100
CS 115 - Python ile Programlamaya Giriş / *CS 115 - Introduction to Programming in Python*													
d	M1	40	75	361	7	73.04	84.59	359	7	99.45	100	Yeterli √ / Sufficient √	100
ENG 101 - İngilizce ve Kompozisyon I / *ENG 101 - English and Composition I*													
e	M1	70	75	1478	25	83.35	89.62	1377	25	93.17	100	Yeterli √ / Sufficient √	100
ENG 102 - İngilizce ve Kompozisyon II / *ENG 102 - English and Composition II*													
e	M1	70	70	535	6	86.02	89.56	521	6	97.38	100	Yeterli √ / Sufficient √	100
GE 100 - Üniversite Hayatına Giriş / *GE 100 - Orientation*													
h	M1	12	80	1518	26	96.71	99.42	1518	26	100	100	Yeterli √ / Sufficient √	100
j	M1	12	80	1518	26	96.71	99.42	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*													
j	M1	70	70	889	12	92.49	95.83	799	11	89.88	91.67	Yeterli √ / Sufficient √	91.67
HIST 200 - Türkiye Tarihi / *HIST 200 - History of Turkey*													
e	M1	70	75	1022	22	91.01	92.84	1006	22	98.43	100	Yeterli √ / Sufficient √	100
f	M1	70	75	1022	22	91.01	92.84	1006	22	98.43	100	Yeterli √ / Sufficient √	100
HUM 111 - Kültürler, Medeniyetler ve Düşünceler I / *HUM 111 - Cultures Civilizations and Ideas I*													
d	M1	60	75	1273	24	83.63	88.48	1262	24	99.14	100	Yeterli √ / Sufficient √	100
e	M1	60	75	1273	24	83.63	88.48	1262	24	99.14	100	Yeterli √ / Sufficient √	100
HUM 112 - Kültürler, Medeniyetler ve Düşünceler II / *HUM 112 - Cultures Civilizations and Ideas II*													
d	M1	60	75	289	4	83.97	81.83	285	4	98.62	100	Yeterli √ / Sufficient √	100
e	M1	60	75	289	4	83.97	81.83	285	4	98.62	100	Yeterli √ / Sufficient √	100
MATH 101 - Matematik I / *MATH 101 - Calculus I*													
a	M1	40	50	690	32	55.03	63.89	547	30	79.28	93.75	Yeterli √ / Sufficient √	93.75
b	M1	40	50	690	32	55.03	63.89	547	30	79.28	93.75	Yeterli √ / Sufficient √	93.75
d	M1	40	50	690	32	55.03	63.89	547	30	79.28	93.75	Yeterli √ / Sufficient √	93.75
MATH 241 - Mühendislik Matematiği I / *A1:N16*													
a	M1	25	75	149	20	57.32	64.21	149	20	100	100	Yeterli √ / Sufficient √	100
d	M1	25	75	149	20	57.32	64.21	149	20	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*
MATH 242 - Mühendislik Matematiği II / *MATH 242 - Engineering Mathematics II*													
a	M1	30	75	77	12	67.62	68.64	77	12	100	100	Yeterli √ / Sufficient √	100
d	M1	30	75	77	12	67.62	68.64	77	12	100	100	Yeterli √ / Sufficient √	100
MBG 110 - Modern Biyolojiye Giriş / *MBG 110 - Introduction to Modern Biology*													
b	M1	50	50	449	25	77.45	84.83	433	25	96.44	100	Yeterli √ / Sufficient √	100
g	M1	50	50	449	25	77.45	84.83	433	25	96.44	100	Yeterli √ / Sufficient √	100
PHYS 101 - Genel Fizik I / *PHYS 101 - General Physics I*													
a	M1	50	50	638	26	73.77	81.83	613	25	96.08	96.15	Yeterli √ / Sufficient √	96.15
b	M1	50	50	638	26	73.77	81.83	613	25	96.08	96.15	Yeterli √ / Sufficient √	96.15
e	M1	50	50	638	26	73.77	81.83	613	25	96.08	96.15	Yeterli √ / Sufficient √	96.15
PHYS 102 - Genel Fizik II / *PHYS 102 - General Physics II*													
a	M1	50	50	179	5	64.59	69.89	152	4	84.92	80	Yeterli √ / Sufficient √	80
b	M1	50	50	179	5	64.59	69.89	152	4	84.92	80	Yeterli √ / Sufficient √	80
e	M1	50	50	179	5	64.59	69.89	152	4	84.92	80	Yeterli √ / Sufficient √	80
PHYS 120 - Fizik Öğrencileri İçin Üniversite Hayatına Giriş / *PHYS 120 - Orientation for Physics Majors*													
c	M1	50	50	31	29	98.26	98.14	31	29	100	100	Yeterli √ / Sufficient √	100
i	M1	50	50	31	29	98.26	98.14	31	29	100	100	Yeterli √ / Sufficient √	100
PHYS 211 - Dalgalar ve Optik / *PHYS 211 - Waves and Optics*													
a	M1	50	50	40	38	67.93	66.98	32	30	80	78.95	Yeterli √ / Sufficient √	78.95
c	M1	50	50	40	38	67.93	66.98	32	30	80	78.95	Yeterli √ / Sufficient √	78.95

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 315 - Elektromanyetik Teori I / *PHYS 315 - Electromagnetic Theory I*													
a	M1	50	50	39	39	65.88	65.88	31	31	79.49	79.49	Yeterli √ / Sufficient √	79.49
c	M1	50	50	39	39	65.88	65.88	31	31	79.49	79.49	Yeterli √ / Sufficient √	79.49
PHYS 315 - Elektromanyetik Teori I / *PHYS 325 - Quantum Mechanics I*													
a	M1	50	50	44	39	62.41	64.39	30	28	68.18	71.79	Yeterli √ / Sufficient √	71.79
c	M1	50	50	44	39	62.41	64.39	30	28	68.18	71.79	Yeterli √ / Sufficient √	71.79
PHYS 371 - Fizikte Sayısal Yöntemler / *PHYS 371 - Numerical Methods in Physics*													
c	M1	50	50	42	41	78.99	78.78	41	40	97.62	97.56	Yeterli √ / Sufficient √	97.56
d	M1	50	50	42	41	78.99	78.78	41	40	97.62	97.56	Yeterli √ / Sufficient √	97.56
e	M1	50	50	42	41	78.99	78.78	41	40	97.62	97.56	Yeterli √ / Sufficient √	97.56
PHYS 491 - Bitirme Projesi I / *PHYS 491 - Senior Project I*													
b	M1	50	50	28	28	91.62	91.62	28	28	100	100	Yeterli √ / Sufficient √	100
c	M1	50	50	28	28	91.62	91.62	28	28	100	100	Yeterli √ / Sufficient √	100
d	M1	50	50	28	28	91.62	91.62	28	28	100	100	Yeterli √ / Sufficient √	100
e	M1	50	50	28	28	91.62	91.62	28	28	100	100	Yeterli √ / Sufficient √	100
PHYS 492 - Bitirme Projesi II / *PHYS 492 - Senior Project II*													
b	M1	50	50	7	7	89.29	89.29	7	7	100	100	Yeterli √ / Sufficient √	100
c	M1	50	50	7	7	89.29	89.29	7	7	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*
PHYS 315 - Elektromanyetik Teori I / *PHYS 315 - Electromagnetic Theory I*													
a	M1	50	50	39	39	65.88	65.88	31	31	79.49	79.49	Yeterli √ / Sufficient √	79.49
c	M1	50	50	39	39	65.88	65.88	31	31	79.49	79.49	Yeterli √ / Sufficient √	79.49
PHYS 315 - Elektromanyetik Teori I / *PHYS 325 - Quantum Mechanics I*													
a	M1	50	50	44	39	62.41	64.39	30	28	68.18	71.79	Yeterli √ / Sufficient √	71.79
c	M1	50	50	44	39	62.41	64.39	30	28	68.18	71.79	Yeterli √ / Sufficient √	71.79
PHYS 371 - Fizikte Sayısal Yöntemler / *PHYS 371 - Numerical Methods in Physics*													
c	M1	50	50	42	41	78.99	78.78	41	40	97.62	97.56	Yeterli √ / Sufficient √	97.56
d	M1	50	50	42	41	78.99	78.78	41	40	97.62	97.56	Yeterli √ / Sufficient √	97.56
e	M1	50	50	42	41	78.99	78.78	41	40	97.62	97.56	Yeterli √ / Sufficient √	97.56
PHYS 491 - Bitirme Projesi I / *PHYS 491 - Senior Project I*													
b	M1	50	50	28	28	91.62	91.62	28	28	100	100	Yeterli √ / Sufficient √	100
c	M1	50	50	28	28	91.62	91.62	28	28	100	100	Yeterli √ / Sufficient √	100
d	M1	50	50	28	28	91.62	91.62	28	28	100	100	Yeterli √ / Sufficient √	100
e	M1	50	50	28	28	91.62	91.62	28	28	100	100	Yeterli √ / Sufficient √	100
PHYS 492 - Bitirme Projesi II / *PHYS 492 - Senior Project II*													
b	M1	50	50	7	7	89.29	89.29	7	7	100	100	Yeterli √ / Sufficient √	100
c	M1	50	50	7	7	89.29	89.29	7	7	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*
PHYS 315 - Elektromanyetik Teori I / *PHYS 315 - Electromagnetic Theory I*													
a	M1	50	50	39	39	65.88	65.88	31	31	79.49	79.49	Yeterli √ / Sufficient √	79.49
c	M1	50	50	39	39	65.88	65.88	31	31	79.49	79.49	Yeterli √ / Sufficient √	79.49
PHYS 315 - Elektromanyetik Teori I / *PHYS 325 - Quantum Mechanics I*													
a	M1	50	50	44	39	62.41	64.39	30	28	68.18	71.79	Yeterli √ / Sufficient √	71.79
c	M1	50	50	44	39	62.41	64.39	30	28	68.18	71.79	Yeterli √ / Sufficient √	71.79
PHYS 371 - Fizikte Sayısal Yöntemler / *PHYS 371 - Numerical Methods in Physics*													
c	M1	50	50	42	41	78.99	78.78	41	40	97.62	97.56	Yeterli √ / Sufficient √	97.56
d	M1	50	50	42	41	78.99	78.78	41	40	97.62	97.56	Yeterli √ / Sufficient √	97.56
e	M1	50	50	42	41	78.99	78.78	41	40	97.62	97.56	Yeterli √ / Sufficient √	97.56
PHYS 491 - Bitirme Projesi I / *PHYS 491 - Senior Project I*													
b	M1	50	50	28	28	91.62	91.62	28	28	100	100	Yeterli √ / Sufficient √	100
c	M1	50	50	28	28	91.62	91.62	28	28	100	100	Yeterli √ / Sufficient √	100
d	M1	50	50	28	28	91.62	91.62	28	28	100	100	Yeterli √ / Sufficient √	100
e	M1	50	50	28	28	91.62	91.62	28	28	100	100	Yeterli √ / Sufficient √	100
PHYS 492 - Bitirme Projesi II / *PHYS 492 - Senior Project II*													
b	M1	50	50	7	7	89.29	89.29	7	7	100	100	Yeterli √ / Sufficient √	100
c	M1	50	50	7	7	89.29	89.29	7	7	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*
PHYS 492 - Bitirme Projesi II / *PHYS 492 - Senior Project II*													
d	M1	50	50	7	7	89.29	89.29	7	7	100	100	Yeterli √ / Sufficient √	100
e	M1	50	50	7	7	89.29	89.29	7	7	100	100	Yeterli √ / Sufficient √	100
TURK 101 - Türkçe I / *TURK 101 - Turkish I*													
e	M1	70	60	1373	25	87.67	91.39	1347	25	98.11	100	Yeterli √ / Sufficient √	100
h	M1	70	60	1373	25	87.67	91.39	1347	25	98.11	100	Yeterli √ / Sufficient √	100
TURK 102 - Türkçe II / *TURK 102 - Turkish II*													
a	M1	70	60	592	4	88.83	90.01	588	4	99.32	100	Yeterli √ / Sufficient √	100
h	M1	70	60	592	4	88.83	90.01	588	4	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*
CHEM 101 - Kimyanın Temelleri I / *CHEM 101 - Principles of Chemistry I*													
a	M3	50		39	10	38.75	31.05	9	1	23.08	10.00	İyileştirmeye Açık! / Insufficient!	31.05
b	M3	50		39	10	38.75	31.05	9	1	23.08	10.00	İyileştirmeye Açık! / Insufficient!	31.05
c	M3	50		39	10	38.75	31.05	9	1	23.08	10.00	İyileştirmeye Açık! / Insufficient!	31.05
CHEM 102 - Kimyanın Temelleri II / *CHEM 102 - Principles of Chemistry I* I													
a	M3	70		106	25	76.40	81.94	80	25	75.47	100.00	Yeterli √ / Sufficient √	81.94
c	M3	70		106	25	76.40	81.94	80	25	75.47	100.00	Yeterli √ / Sufficient √	81.94
d	M3	70		106	25	76.40	81.94	80	25	75.47	100.00	Yeterli √ / Sufficient √	81.94
f	M3	70		106	25	76.40	81.94	80	25	75.47	100.00	Yeterli √ / Sufficient √	81.94
COMD 358 - Profesyonel İletişim / *COMD 358 - Professional Communication*													
d	M1	60	70	337	10	79.59	83.34	335	10	99.41	100.00	Yeterli √ / Sufficient √	100.00
e	M1	60	70	337	10	79.59	83.34	335	10	99.41	100.00	Yeterli √ / Sufficient √	100.00
f	M1	60	70	337	10	79.59	83.34	335	10	99.41	100.00	Yeterli √ / Sufficient √	100.00
g	M1	60	70	337	10	79.59	83.34	335	10	99.41	100.00	Yeterli √ / Sufficient √	100.00
h	M1	60	70	337	10	79.59	83.34	335	10	99.41	100.00	Yeterli √ / Sufficient √	100.00
i	M1	60	70	337	10	79.59	83.34	335	10	99.41	100.00	Yeterli √ / Sufficient √	100.00
CS 115 - Python ile Programlamaya Giriş / *CS 115 - Introduction to Programming in Python*													
a	M1	40	75	273	6	67.50	68.30	269	6	98.53	100.00	Yeterli √ / Sufficient √	100.00
b	M1	40	75	273	6	67.50	68.30	269	6	98.53	100.00	Yeterli √ / Sufficient √	100.00
d	M1	40	75	273	6	67.50	68.30	269	6	98.53	100.00	Yeterli √ / Sufficient √	100.00
e	M1	40	75	273	6	67.50	68.30	269	6	98.53	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*
ENG 101 - İngilizce ve Kompozisyon I / *ENG 101 - English and Composition I*													
b	M1	70	75	672	6	81.86	80.13	623	6	92.71	100.00	Yeterli √ / Sufficient √	100.00
e	M1	70	75	672	6	81.86	80.13	623	6	92.71	100.00	Yeterli √ / Sufficient √	100.00
f	M1	70	75	672	6	81.86	80.13	623	6	92.71	100.00	Yeterli √ / Sufficient √	100.00
i	M1	70	75	672	6	81.86	80.13	623	6	92.71	100.00	Yeterli √ / Sufficient √	100.00
ENG 102 - İngilizce ve Kompozisyon II / *ENG 102 - English and Composition II*													
b	M1	70	70	1314	25	85.76	90.00	1284	25	97.72	100.00	Yeterli √ / Sufficient √	100.00
e	M1	70	70	1314	25	85.76	90.00	1284	25	97.72	100.00	Yeterli √ / Sufficient √	100.00
f	M1	70	70	1314	25	85.76	90.00	1284	25	97.72	100.00	Yeterli √ / Sufficient √	100.00
g	M1	70	70	1314	25	85.76	90.00	1284	25	97.72	100.00	Yeterli √ / Sufficient √	100.00
h	M1	70	70	1314	25	85.76	90.00	1284	25	97.72	100.00	Yeterli √ / Sufficient √	100.00
i	M1	70	70	1314	25	85.76	90.00	1284	25	97.72	100.00	Yeterli √ / Sufficient √	100.00
GE 100 - Üniversite Hayatına Giriş / *GE 100 - Orientation*													
g	M1	12	80	545	6	95.50	99.17	545	6	100.00	100.00	Yeterli √ / Sufficient √	100.00
h	M1	12	80	545	6	95.50	99.17	545	6	100.00	100.00	Yeterli √ / Sufficient √	100.00
j	M1	12	80	545	6	95.50	99.17	545	6	100.00	100.00	Yeterli √ / Sufficient √	100.00
GE 251 - Üniversite Etkinlik Programı II / *GE 251 - Collegiate Activities Program II*													
g	M1	70	70	1401	21	93.93	95.95	1301	20	92.86	95.24	Yeterli √ / Sufficient √	95.24
h	M1	70	70	1401	21	93.93	95.95	1301	20	92.86	95.24	Yeterli √ / Sufficient √	95.24
j	M1	70	70	1401	21	93.93	95.95	1301	20	92.86	95.24	Yeterli √ / Sufficient √	95.24

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*
HIST 200 - Türkiye Tarihi / *HIST 200 - History of Turkey*													
b	M1	70	75	917	8	91.63	91.86	900	8	98.15	100.00	Yeterli √ / Sufficient √	100.00
e	M1	70	75	917	8	91.63	91.86	900	8	98.15	100.00	Yeterli √ / Sufficient √	100.00
f	M1	70	75	917	8	91.63	91.86	900	8	98.15	100.00	Yeterli √ / Sufficient √	100.00
h	M1	70	75	917	8	91.63	91.86	900	8	98.15	100.00	Yeterli √ / Sufficient √	100.00
i	M1	70	75	917	8	91.63	91.86	900	8	98.15	100.00	Yeterli √ / Sufficient √	100.00
HUM 111 - Kültürler, Medeniyetler ve Düşünceler I / *HUM 111 - Cultures Civilizations and Ideas I*													
b	M1	60	75	504	7	81.94	86.49	500	7	99.21	100.00	Yeterli √ / Sufficient √	100.00
d	M1	60	75	504	7	81.94	86.49	500	7	99.21	100.00	Yeterli √ / Sufficient √	100.00
e	M1	60	75	504	7	81.94	86.49	500	7	99.21	100.00	Yeterli √ / Sufficient √	100.00
i	M1	60	74	504	7	81.94	86.49	500	7	99.21	100.00	Yeterli √ / Sufficient √	100.00
HUM 112 - Kültürler, Medeniyetler ve Düşünceler II / *HUM 112 - Cultures Civilizations and Ideas II*													
b	M1	50	75	1009	20	85.11	88.79	1009	20	100.00	100.00	Yeterli √ / Sufficient √	100.00
d	M1	50	75	1009	20	85.11	88.79	1009	20	100.00	100.00	Yeterli √ / Sufficient √	100.00
e	M1	50	75	1009	20	85.11	88.79	1009	20	100.00	100.00	Yeterli √ / Sufficient √	100.00
i	M1	50	75	1009	20	85.11	88.79	1009	20	100.00	100.00	Yeterli √ / Sufficient √	100.00
MATH 101 - Matematik I / *MATH 101 - Calculus I*													
a	M1	40	50	220	6	52.69	63.57	149	6	67.73	100.00	Yeterli √ / Sufficient √	100.00
b	M1	40	50	220	6	52.69	63.57	149	6	67.73	100.00	Yeterli √ / Sufficient √	100.00
d	M1	40	50	220	6	52.69	63.57	149	6	67.73	100.00	Yeterli √ / Sufficient √	100.00
e	M1	40	50	220	6	52.69	63.57	149	6	67.73	100.00	Yeterli √ / Sufficient √	100.00
f	M1	40	50	220	6	52.69	63.57	149	6	67.73	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 102 - Matematik II / *MATH 102 - Calculus II*													
a	M1	40	50	618	33	49.37	53.92	432	22	69.90	66.67	Yeterli √ / Sufficient √	66.67
b	M1	40	50	618	33	49.37	53.92	432	22	69.90	66.67	Yeterli √ / Sufficient √	66.67
d	M1	40	50	618	33	49.37	53.92	432	22	69.90	66.67	Yeterli √ / Sufficient √	66.67
e	M1	40	50	618	33	49.37	53.92	432	22	69.90	66.67	Yeterli √ / Sufficient √	66.67
f	M1	40	50	618	33	49.37	53.92	432	22	69.90	66.67	Yeterli √ / Sufficient √	66.67
MATH 241 - Mühendislik Matematiği I / *MATH 241 - Engineering Mathematics I*													
a	M1	25	75	74	10	55.90	58.69	74	10	100.00	100.00	Yeterli √ / Sufficient √	100.00
d	M1	25	75	74	10	55.90	58.69	74	10	100.00	100.00	Yeterli √ / Sufficient √	100.00
MATH 242 - Mühendislik Matematiği II / *MATH 242 - Engineering Mathematics II*													
a	M1	30	75	150	21	71.30	74.03	150	21	100.00	100.00	Yeterli √ / Sufficient √	100.00
d	M1	30	75	150	21	71.30	74.03	150	21	100.00	100.00	Yeterli √ / Sufficient √	100.00
MBG 110 - Modern Biyolojiye Giriş / *MBG 110 - Introduction to Modern Biology*													
b	M1	50	50	570	13	68.93	81.99	497	13	87.19	100.00	Yeterli √ / Sufficient √	100.00
g	M1	50	50	570	13	68.93	81.99	497	13	87.19	100.00	Yeterli √ / Sufficient √	100.00
PHYS 101 - Genel Fizik I / *PHYS 101 - General Physics I*													
a	M1	50	50	197	7	65.15	66.54	157	6	79.70	85.71	Yeterli √ / Sufficient √	85.71
b	M1	50	50	197	7	65.15	66.54	157	6	79.70	85.71	Yeterli √ / Sufficient √	85.71
e	M1	50	50	197	7	65.15	66.54	157	6	79.70	85.71	Yeterli √ / Sufficient √	85.71
PHYS 102 - Genel Fizik II / *PHYS 102 - General Physics II*													
a	M1	50	50	649	25	66.67	75.81	570	24	87.83	96.00	Yeterli √ / Sufficient √	96.00
b	M1	50	50	649	25	66.67	75.81	570	24	87.83	96.00	Yeterli √ / Sufficient √	96.00
e	M1	50	50	649	25	66.67	75.81	570	24	87.83	96.00	Yeterli √ / Sufficient √	96.00

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*
PHYS 212 - Modern Fizik / *PHYS 212 - Modern Physics*													
a	M1	50	50	43	31	71.18	70.02	39	28	90.70	90.32	Yeterli √ / Sufficient √	90.32
c	M1	50	50	43	31	71.18	70.02	39	28	90.70	90.32	Yeterli √ / Sufficient √	90.32
g	M1	50	50	43	31	71.18	70.02	39	28	90.70	90.32	Yeterli √ / Sufficient √	90.32
PHYS 218 - Analitik Mekanik / *PHYS 218 - Analytical Mechanics*													
a	M1	50	50	32	30	63.29	62.40	24	22	75.00	73.33	Yeterli √ / Sufficient √	73.33
PHYS 242 - Fizik Uygulamaları İçin İleri Matematik / *PHYS 242 - Advanced Calculus for Applications in Physics*													
a	M1	40	40	40	36	48.01	48.67	26	24	65.00	66.67	Yeterli √ / Sufficient √	66.67
d	M1	40	40	40	36	48.01	48.67	26	24	65.00	66.67	Yeterli √ / Sufficient √	66.67
PHYS 334 - İstatistiksel Fizik / *PHYS 334 - Statistical Physics*													
a	M1	40	50	29	27	62.41	62.15	27	25	93.10	92.59	Yeterli √ / Sufficient √	92.59
d	M1	40	50	29	27	62.41	62.15	27	25	93.10	92.59	Yeterli √ / Sufficient √	92.59
g	M1	40	50	29	27	62.41	62.15	27	25	93.10	92.59	Yeterli √ / Sufficient √	92.59
PHYS 374 - Fiziğin Deneysel Yöntemleri / *PHYS 374 - Experimental Methods of Physics*													
b	M1	50	50	39	38	82.05	81.90	38	37	97.44	97.37	Yeterli √ / Sufficient √	97.37
d	M1	50	50	39	38	82.05	81.90	38	37	97.44	97.37	Yeterli √ / Sufficient √	97.37
e	M1	50	50	39	38	82.05	81.90	38	37	97.44	97.37	Yeterli √ / Sufficient √	97.37
f	M1	50	50	39	38	82.05	81.90	38	37	97.44	97.37	Yeterli √ / Sufficient √	97.37
h	M1	50	50	39	38	82.05	81.90	38	37	97.44	97.37	Yeterli √ / Sufficient √	97.37
PHYS 491 - Bitirme Projesi I / *PHYS 491 - Senior Project I*													
b	M1	50	50	5	5	72.36	72.36	4	4	80.00	80.00	Yeterli √ / Sufficient √	80.00
c	M1	50	50	5	5	72.36	72.36	4	4	80.00	80.00	Yeterli √ / Sufficient √	80.00
d	M1	50	50	5	5	72.36	72.36	4	4	80.00	80.00	Yeterli √ / Sufficient √	80.00
e	M1	50	50	5	5	72.36	72.36	4	4	80.00	80.00	Yeterli √ / Sufficient √	80.00

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*
PHYS 492 - Bitirme Projesi II / *PHYS 492 - Senior Project II*													
b	M1	50	50	24	24	92.36	92.36	24	24	100.00	100.00	Yeterli √ / Sufficient √	100.00
c	M1	50	50	24	24	92.36	92.36	24	24	100.00	100.00	Yeterli √ / Sufficient √	100.00
d	M1	50	50	24	24	92.36	92.36	24	24	100.00	100.00	Yeterli √ / Sufficient √	100.00
e	M1	50	50	24	24	92.36	92.36	24	24	100.00	100.00	Yeterli √ / Sufficient √	100.00
TURK 101 - Türkçe I / *TURK 101 - Turkish I*													
e	M1	70	60	597	6	85.40	83.35	578	5	96.82	83.33	Yeterli √ / Sufficient √	83.33
g	M1	70	60	597	6	85.40	83.35	578	5	96.82	83.33	Yeterli √ / Sufficient √	83.33
h	M1	70	60	597	6	85.40	83.35	578	5	96.82	83.33	Yeterli √ / Sufficient √	83.33
TURK 102 - Türkçe II / *TURK 102 - Turkish II*													
a	M1	70	60	1352	25	88.98	91.42	1335	25	98.74	100.00	Yeterli √ / Sufficient √	100.00
e	M1	70	60	1352	25	88.98	91.42	1335	25	98.74	100.00	Yeterli √ / Sufficient √	100.00
g	M1	70	60	1352	25	88.98	91.42	1335	25	98.74	100.00	Yeterli √ / Sufficient √	100.00
h	M1	70	60	1352	25	88.98	91.42	1335	25	98.74	100.00	Yeterli √ / Sufficient √	100.00

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
CHEM 101	78.43	78.43	78.43							
COMD 358					100	100			100	
CS 115				100						
ENG 101					100					
ENG 102					100					
GE 100								100		100
GE 251										91.67
HIST 200					100	100				
HUM 111				100	100					
HUM 112				100	100					
MATH 101	93.75	93.75		93.75						
MATH 241	100			100						
MATH 242	100			100						
MBG 110		100					100			
PHYS 101	96.15	96.15			96.15					
PHYS 102	80	80			80					
PHYS 120			100						100	
PHYS 211	78.95		78.95							
PHYS 315	79.49		79.49							
PHYS 325	71.79		71.79							
PHYS 371			97.56	97.56	97.56					
PHYS 491		100	100	100	100					
PHYS 492		100	100	100	100					
TURK 101					100			100		
TURK 102	100							100		

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

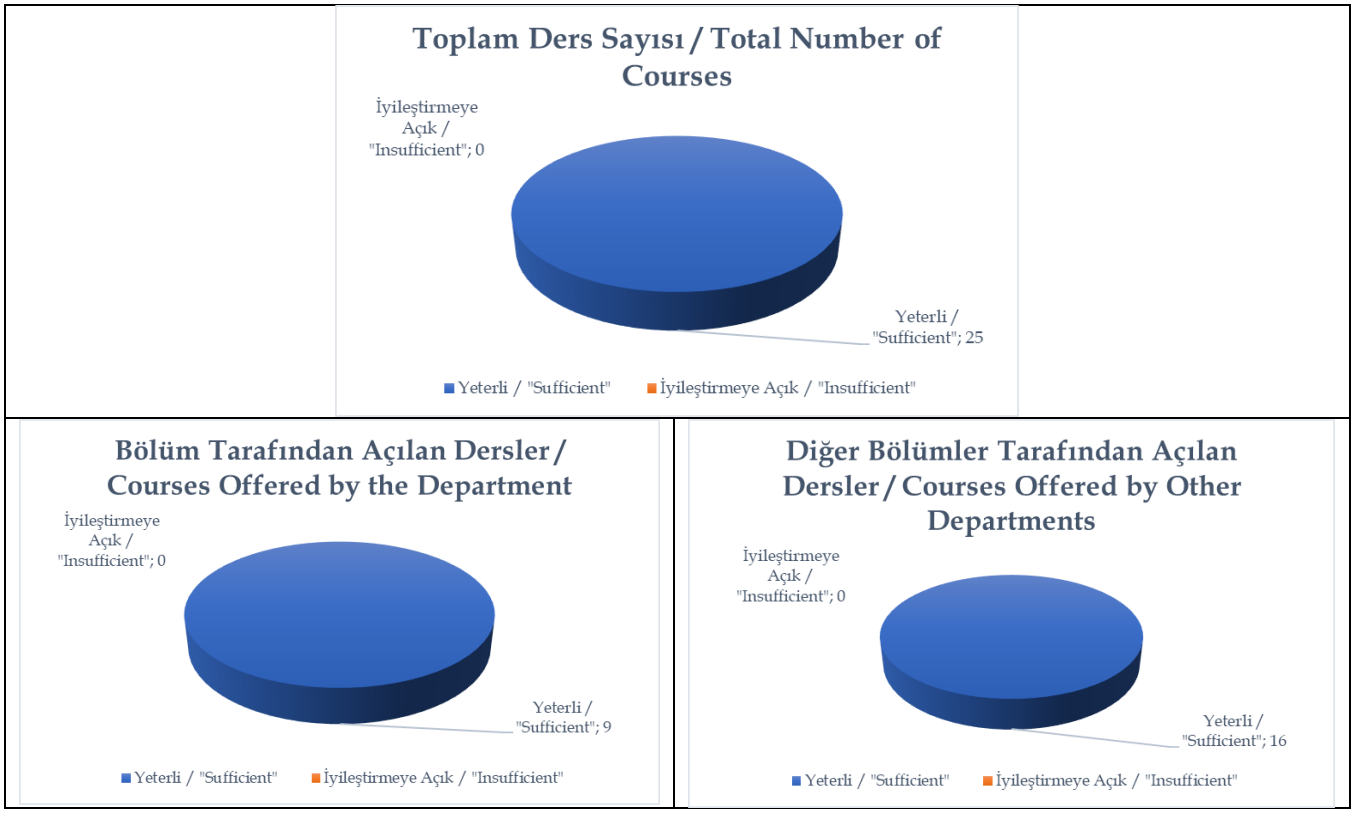
4.3.1.2. 2025-2026 Akademik Yılı Bahar Dönemi için / For 2025-2026 Academic Year Spring Semester;

Dersler / *Courses*	Program Çıktıları / *Program Outcomes*									
	a	b	c	d	e	f	g	h	i	j
CHEM 101	31.05	31.05	31.05							
CHEM 102	81.94		81.94	81.94		81.94				
COMD 358				100.00	100.00	100.00	100.00	100.00	100.00	
CS 115	100.00	100.00		100.00	100.00					
ENG 101		100.00			100.00	100.00			100.00	
ENG 102		100.00			100.00	100.00	100.00	100.00	100.00	
GE 100							100.00	100.00		100.00
GE 251							95.24	95.24		95.24
HIST 200		100.00			100.00	100.00		100.00	100.00	
HUM 111		100.00		100.00	100.00				100.00	
HUM 112		100.00		100.00	100.00				100.00	
MATH 101	100.00	100.00		100.00	100.00	100.00				
MATH 102	66.67	66.67		66.67	66.67	66.67				
MATH 241	100.00			100.00						
MATH 242	100.00			100.00						
MBG 110		100.00					100.00			
PHYS 101	85.71	85.71			85.71					
PHYS 102	96.00	96.00			96.00					
PHYS 212	90.32		90.32				90.32			
PHYS 218	73.33									
PHYS 242	66.67			66.67						
PHYS 334	92.59			92.59			92.59			
PHYS 374		97.37		97.37	97.37	97.37		97.37		
PHYS 491		80.00	80.00	80.00	80.00					
PHYS 492		100.00	100.00	100.00	100.00					
TURK 101					83.33		83.33	83.33		
TURK 102	100.00				100.00		100.00	100.00		

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

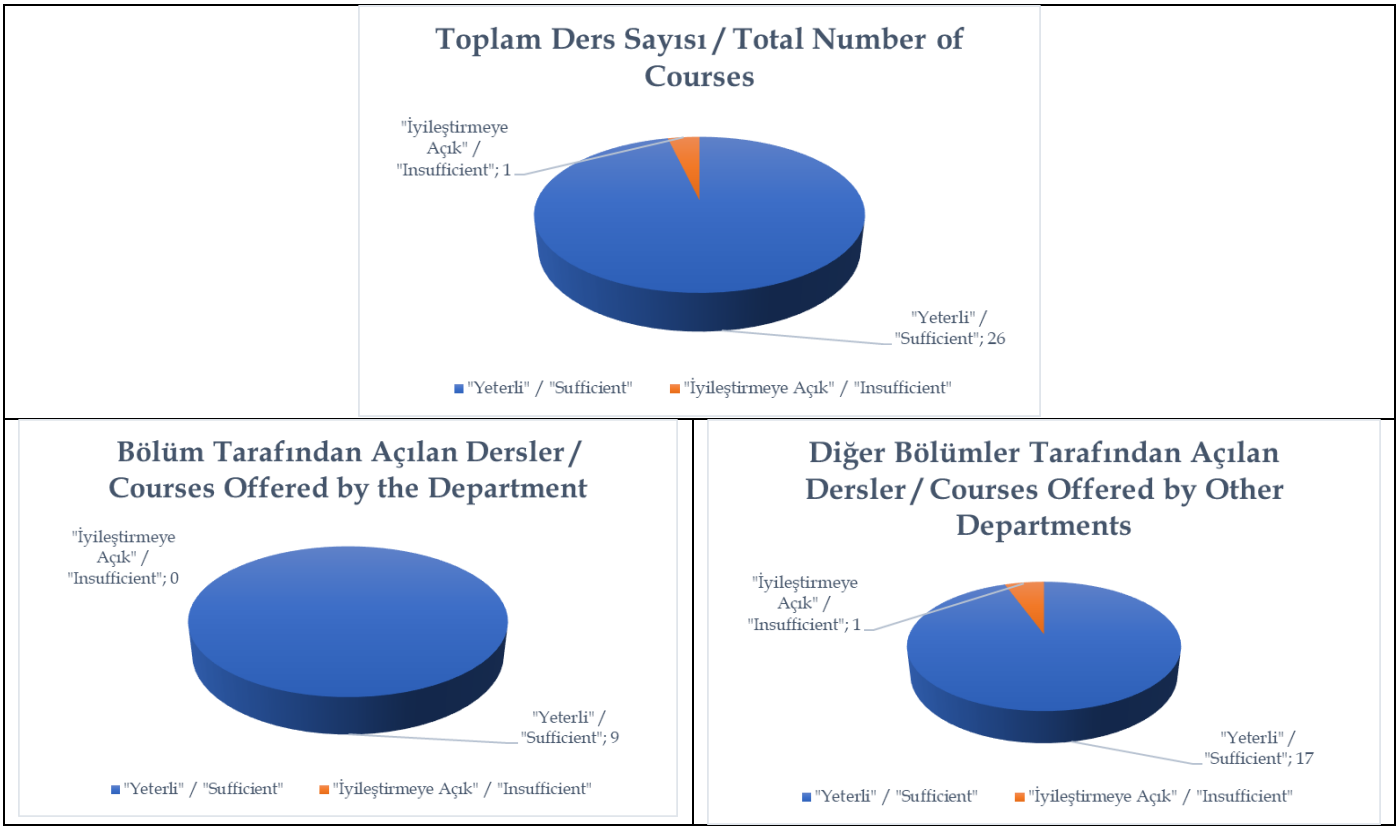
4.3.2. PROGRAM ÇIKTILARI PERFORMANS ANALİZLERİ / *PROGRAM OUTCOMES PERFORMANCE ANALYSIS*

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 Fizik Lisans Programı Program Çıktıları Performans Analizleri Tablosu (Dersler için) / ***Table.4.3.2.1.*** *2025-2026 Academic Year Fall Semester Physics 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 Fizik Lisans Programı Program Çıktıları Performans Analizleri Tablosu (Dersler için) / ***Table.4.3.2.2.*** *2025-2026 Academic Year Spring Semester Physics Undergraduate Program - Program Outcomes Performance Analysis Table (For Courses)*

	**CHEM 101 için a, b ve c program çıktılarında yeterlilik kriteri sağlanamamıştır. /** ***The qualification criteria for CHEM 101, program outcomes a, b and c were insufficient.***

5. DEĞERLENDİRME / *EVALUATION*

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

The program outcome assessment for the 2025–2026 academic year indicates that the Physics Undergraduate Program continues to achieve its educational objectives at a consistently high level. Direct measurements based on student performance demonstrate that virtually all courses contributing to the assessment satisfy the predefined performance criteria. In particular, we are pleased to observe that all core physics courses included in the evaluation were assessed as sufficient, confirming that the curriculum continues to provide students with

a strong foundation in both theoretical and experimental physics. The consistency of these results across different stages of the program reflects the effectiveness of the curriculum and the commitment of the department to maintaining high academic standards.

The department is particularly encouraged by the performance of the core physics curriculum. Courses spanning the second, third, and fourth years all met the required performance thresholds, indicating that students continue to develop the intended disciplinary knowledge and analytical skills throughout the program. These results provide further evidence that the curriculum remains well aligned with the program outcomes and that the progression from introductory to advanced topics is functioning as intended.

The introductory service courses, PHYS 101 and PHYS 102, also deserve special mention. These courses are offered to students from a wide range of science and engineering departments and therefore provide a valuable benchmark for comparing the performance of physics majors with that of the general student population. The assessment results show that physics students continue to perform exceptionally well in these courses, significantly exceeding the overall class averages. This outcome is consistent with expectations and demonstrates that our students acquire a strong command of fundamental physics concepts from the very beginning of the undergraduate program.

One exception in this year's assessment is CHEM 101, which was evaluated as insufficient. This result should be interpreted with caution because the evaluation is based solely on the performance of a very small group of irregular physics students taking the course. Only ten departmental students were included in the assessment, and only one student achieved a passing grade. Consequently, the measured outcome is highly sensitive to the performance of individual students and cannot be regarded as representative of the overall quality of instruction. Nevertheless, the unusually low success rate warrants further attention. The Department of Physics plans to discuss these results with the Department of Chemistry to better understand the underlying causes and to determine whether any measures should be taken to improve student performance in future offerings.

The assessment of the senior project sequence, PHYS 491–492, continues to yield very positive results. Compared with previous years, the measured performance in these capstone courses has improved further, indicating that students are successfully demonstrating the knowledge, problem-solving ability, and communication skills expected at graduation. As these courses integrate learning from across the undergraduate curriculum, their consistently strong outcomes remain an important indicator of the overall effectiveness of the program.

At the same time, the department recognizes that the rapid development of generative artificial intelligence tools presents new challenges for the interpretation of assessment results. Recent advances in large language models have substantially changed the way students prepare written reports, perform literature surveys, and organize project documentation. Consequently, improvements in written project outcomes cannot automatically be interpreted as evidence of improved learning without careful consideration of the role played by AI-assisted tools.

Rather than viewing these developments solely as a challenge, the department considers them an opportunity to re-examine assessment practices and adapt them to the evolving educational

landscape. In the coming years, greater emphasis will be placed on assessment methods that directly evaluate conceptual understanding, originality, independent problem solving, and oral communication, while also developing clear guidelines for the appropriate and ethical use of AI. Maintaining academic integrity while enabling students to benefit from modern computational tools will remain an important objective of the department's quality assurance efforts.

Overall, the 2025–2026 outcome assessment confirms that the Physics Undergraduate Program continues to meet its educational objectives with a high degree of success. The consistently satisfactory performance across the core curriculum, the excellent achievement of physics students in the common introductory physics courses, and the strong results in the capstone project sequence all demonstrate the robustness of the program. The department will continue to monitor isolated cases such as CHEM 101 and will further refine its assessment strategies to address the rapidly evolving educational environment shaped by artificial intelligence.

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

The Physics Undergraduate Program at Bilkent University defines four educational objectives for its graduates: establishing successful academic or professional careers (PEO1), applying analytical and technical expertise to solve complex problems (PEO2), embracing lifelong learning (PEO3), and pursuing advanced education in science and technology (PEO4). These long-term objectives cannot be measured directly on an annual basis. Instead, the department periodically evaluates their continued relevance through feedback obtained from students, alumni, external advisory board members, and faculty members while monitoring broader developments in higher education and the scientific community.

A common theme emerging from discussions with nearly all stakeholder groups during this academic year has been the rapid rise of generative artificial intelligence. Students, alumni, members of the external advisory board, and faculty members all emphasized that AI tools are fundamentally changing the skills expected from future physicists. While these technologies provide significant opportunities for improving productivity and learning, they also require the department to continuously re-evaluate how the educational objectives are interpreted and how student achievement should be assessed.

The first educational objective, preparing graduates for successful academic and professional careers, is being reshaped by AI-assisted research and scientific computing. Graduates entering academia or industry will increasingly be expected to work effectively with AI-based tools while retaining the ability to critically evaluate results, formulate original research questions, and distinguish reliable scientific conclusions from automatically generated content. These higher-level scientific skills are becoming more valuable than routine technical tasks.

The second educational objective, developing analytical and technical expertise, also requires renewed attention. Modern AI systems can now assist with mathematical derivations, computer programming, numerical simulations, and technical writing. Consequently, the department must ensure that students develop genuine conceptual understanding and

independent problem-solving ability rather than relying uncritically on automated solutions. Assessment methods will therefore continue to evolve to place greater emphasis on reasoning, oral communication, and the ability to justify scientific decisions.

The third educational objective, fostering lifelong learning, has become even more important in the current technological environment. As AI capabilities continue to evolve at an unprecedented pace, graduates must be prepared to adapt to new computational tools, acquire new technical skills throughout their careers, and critically evaluate emerging technologies. Lifelong learning is therefore no longer simply a desirable attribute but an essential requirement for maintaining professional competence.

The fourth educational objective, encouraging graduates to pursue advanced education in science and technology, is similarly influenced by these developments. Graduate education increasingly expects students to use AI responsibly while maintaining the highest standards of academic integrity and scientific originality. Undergraduate training must therefore prepare students not only with a strong foundation in physics but also with the ethical awareness and research practices necessary for conducting original scientific work in an AI-enabled environment.

The department believes that these developments do not diminish the value of the program's educational objectives; rather, they reinforce their importance. By remaining vigilant, continuously updating the curriculum and assessment methods, and promoting the responsible use of artificial intelligence, the department is confident that the Physics Undergraduate Program will continue to prepare graduates for successful careers in a rapidly changing scientific landscape.