

2025-2026 AKADEMİK YILI /
Academic Year

EĞİTİMDE KALİTE GÜVENCESİ YILLIK RAPORU

*QUALITY ASSURANCE IN
EDUCATION ANNUAL REPORT*

FEN FAKÜLTESİ
FACULTY OF SCIENCE

KİMYA LİSANS PROGRAMI (CHEM)
*CHEMISTRY UNDERGRADUATE PROGRAM
(CHEM)*



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FEN FAKÜLTESİ / FACULTY OF SCIENCE
KİMYA LİSANS PROGRAMI - CHEM / CHEMISTRY
UNDERGRADUATE PROGRAM - CHEM

1. BÖLÜM HAKKINDA / ABOUT THE DEPARTMENT

1.1. EĞİTİM AMAÇLARI / EDUCATIONAL OBJECTIVES

- Mezunlar, kimya ve ilgili alanlarda prestijli yüksek lisans programlarına ve/veya şirketlere kabul edilip, başarı göstereceklerdir. / Graduates will get accepted into and excel in prestigious graduate programs and/or companies involved in Chemistry related areas.
- Mezunlar, kimyanın çalışma alanları ile ilgili konularında en son araştırma/geliştirme çalışmalarını takip edeceklerdir. / Graduates will follow the cutting edge research and development in fields of chemistry relevant to their profession.
- Mezunlar, kimya ile alakalı değişen ve evrilen teknolojilere adapte olabileceklerdir. / Graduates will be able to adapt to developing and evolving technologies relevant to Chemistry.

1.1.1. DANIŞMA KURULU / ADVISORY BOARD

- Dr. Cem Açıksarı, Arge Lider Mühendis, TÜPRAŞ / Cem Açıksarı, R&D Lead Engineer, TÜPRAŞ
- Dr. Cüneyt Karakaya, Elektrolizör Mühendisi, Bramble Energy / Dr. Cüneyt Karakaya, Electrolyzer Engineer, Bramble Energy
- Dr. Kerem Emre Ercan, Lider Mühendis, Roketsan / Dr. Kerem Emre Ercan, Lead Engineer, Roketsan
- Doç. Dr. Safacan Kölemen, Öğretim Üyesi, Koç Üniversitesi / Assoc. Prof. Safacan Kölemen, Faculty Member, Koç University
- Dr. Hacı Osman Güvenç, Araştırmacı Bilim Adamı, BASF SE / Dr. Hacı Osman Güvenç, Research Scientist, BASF SE
- Dr. Özlem Köylü Alkan, Teknoloji Değerlendirme Koordinatörü, Aspilsan Enerji A.Ş. / Dr. Özlem Köylü Alkan, Technology Assessment Coordinator, Aspilsan Energy Inc.
- Dr. Mohammed Ahmed Zabara, Araştırma Görevlisi, University of Cambridge / Dr. Mohammed Ahmed Zabara, Research Fellow, University of Cambridge

1.2. LİSANS PROGRAMI / UNDERGRADUATE PROGRAM

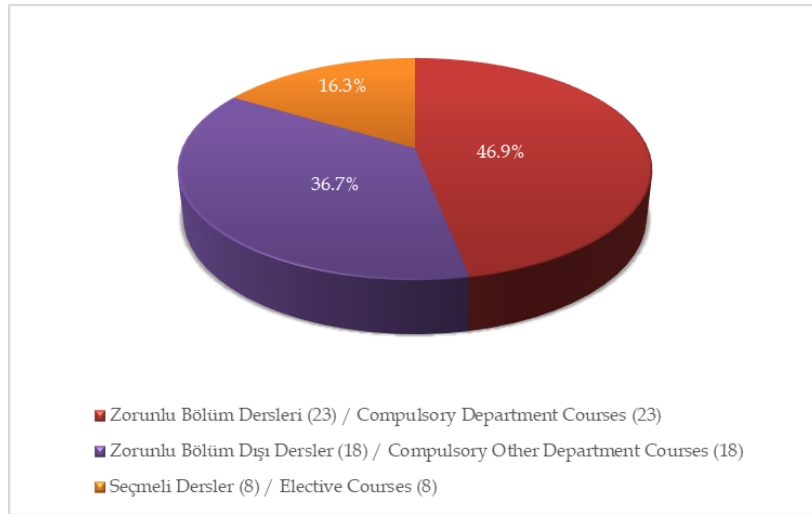
1.2.1. MÜFREDAT / CURRICULUM

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
CHEM 120	Kimya Öğrencileri İçin Üniversite Hayatına Giriş / Orientation for Chemistry Majors	1	0	1	2
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
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 / English and Composition II	4	0	4	6.5
PHYS 102	Genel Fizik II / General Physics II	3	3	4	6.5
TURK 102	Türkçe II / Turkish II	0	0	2	3.5
İkinci Yıl / Second Year					
Güz Dönemi / Fall Semester					
Ders Kod / Course Code	Ders Adı / Course Name	Saatler / Hours		Kredi / Credits	
		Ders / Lecture	Lab / Stüdyo / Diğer / Lab / Studio / Others	Bilkent	ECTS
CHEM 211	Analitik Kimya I / Analytical Chemistry I	3	0	3	5
CHEM 231	Organik Kimya I / Organic Chemistry I	3	0	3	5
CHEM 235	Organik Kimya Laboratuvarı I / Organic Chemistry Laboratory I		4	2	3.5
CS 115	Python ile Programlamaya Giriş / Introduction to Programming in Python	3	4	4	6.5
GE 250	Üniversite Etkinlik Programı I / Collegiate Activities Program I	0	0	0	1
MBG 110	Modern Biyolojiye Giriş / Introduction to Modern Biology	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
CHEM 212	Analitik Kimya II / Analytical Chemistry II	3	0	3	5
CHEM 213	Analitik Kimya Laboratuvarı I / Analytical Chemistry Laboratory I		4	2	3.5
CHEM 232	Organik Kimya II / Organic Chemistry II	3	0	3	5
CHEM 236	Organik Kimya Laboratuvarı II / Organic Chemistry Laboratory II		4	2	3.5
GE 251	Üniversite Etkinlik Programı II / Collegiate Activities Program II	0	0	1	2
HIST 200	Türkiye Tarihi / History of Turkey	3	0	4	6.5
MATH 225	Doğrusal Cebir ve Türevsel Denklemler / Linear Algebra and Differential Equations	4	0	4	6.5

Üçüncü Yıl / Third Year					
Güz Dönemi / Fall Semester					
Ders Kod / Course Code	Ders Adı / Course Name	Saatler / Hours		Kredi / Credits	
		Ders / Lecture	Lab / Stüdyo / Diğer / Lab / Studio / Others	Bilkent	ECTS
CHEM 214	Analitik Kimya Laboratuvarı II / Analytical Chemistry Laboratory II		4	2	3.5
CHEM 320	Fizikokimya Laboratuvarı / Physical Chemistry Laboratory	1	4	3	5
CHEM 323	Fizikokimya I / Physical Chemistry I	3	0	3	5
CHEM 327	Kuantum Kimyası I / Quantum Chemistry I	3	0	3	5
CHEM 341	Anorganik Kimya I / Inorganic Chemistry I	3	0	3	5
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
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 324	Fizikokimya II / Physical Chemistry II	3	0	3	5
CHEM 328	Kuantum Kimyası II / Quantum Chemistry II	3	0	3	5
CHEM 340	Anorganik Kimya Laboratuvarı / Inorganic Chemistry Laboratory	0	4	3	5
CHEM 342	Anorganik Kimya II / Inorganic Chemistry II	3	0	3	5
HUM 112	Kültürler, Medeniyetler ve Düşünceler II / Cultures Civilizations and Ideas II	3	0	3	5
	Temel Sanat Seçmeli Dersi / Arts Core 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
CHEM 399	Yaz Stajı / Summer Practice	0	0	0	7
CHEM 450	Uygulamalı Kuantum Kimyası / Applied Quantum Chemistry	3	0	3	5
CHEM 461	Biyokimyanın Temelleri / Fundamentals of Biochemistry	3	0	3	5
	Proje Seçmeli Ders / Project Elective			4	6
	Teknik Seçmeli Ders (2) / Technical Elective (2)			6	
Bahar Dönemi / Spring Semester					
Ders Kod / Course Code	Ders Adı / Course Name	Saatler / Hours		Kredi / Credits	
		Ders / Lecture	Lab / Stüdyo / Diğer / Lab / Studio / Others	Bilkent	ECTS
CHEM 422	İstatistiksel Termodinamiğe Giriş / Introduction to Statistical Thermodynamics	3	0	3	5
	Temel Sosyal Bilimler Seçmeli Dersi / Social Science Core Elective			3	
	Teknik Seçmeli Ders (2) / Technical Elective (2)			6	
	Sınırsız Seçmeli Ders / Unrestricted Elective			3	

1.2.2. DERSLERİN DAĞILIMI / DISTRIBUTION COURSES



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

1.3. ÖĞRENCİLER / STUDENTS

1.3.1. ÖĞRENCİ SAYILARI / NUMBER OF STUDENTS

Öğrenci Sayıları/ Number of Students	
Hazırlık / Prep	20
1. Sınıf / 1. Class	27
2. Sınıf / 2. Class	45
3. Sınıf / 3. Class	32
4. Sınıf / 4. Class	28
Toplam Öğrenci Sayısı/ Total Number of Students	152

Tablo.1.3.1. 2025-2026 Akademik Yılı Kimya Lisans Programı Öğrenci Sayıları / *Table.1.3.1. Number of Students in Chemistry 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	
1. Sınıf / 1. Class	2
2. Sınıf / 2. Class	2
4. Sınıf / 4. Class	1
Toplam Yabancı Öğrenci Sayısı / Total Number of Foreign Students	5

Tablo.1.3.2. 2025-2026 Akademik Yılı Kimya Lisans Programı Yabancı Öğrenci Sayıları/
Table.1.3.2. Number of Foreign Students in Chemistry 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	5
Doçent Doktor / Associate Professor	2
Doktor Öğretim Üyesi / Assistant Professor	3
Toplam Öğretim Elemanı Sayısı / Total Number of Faculty Members	10

Tablo.1.4.1. 2025-2026 Akademik Yılında Kimya Lisans Programı Kadrolu ve Yarı Zamanlı Öğretim Elemanı Sayıları / *Table.1.4.1. Number of Full-Time and Part-Time Faculty Members in the Chemistry 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	Ferdi Karadaş
Doçent Doktor / Associate Professor	Tam Zamanlı / Full Time	Bilge Baytekin
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Yunus Emre Türkmen
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Halil İbrahim Okur
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Fahri Alkan
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Burak Aktekin
Doktor Öğretim Üyesi / Assistant Professor	Tam Zamanlı / Full Time	Todd James Cowen
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Burak Ülgüt
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Ömer Dağ
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Şefik Süzer
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Emrah Özensoy
Profesör Doktor / Professor Doctor	Tam Zamanlı / Full Time	Engin Umut Akkaya
Profesör Doktor / Professor Doctor	Yarı Zamanlı / Part Time	Ahmet Macit Özenbaş
Profesör Doktor / Professor Doctor	Yarı Zamanlı / Part Time	Zeki Cemal Kuruoğlu

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

1.5. EĞİTİMDE KALİTE KOMİTESİ / COMMITTEE OF QUALITY IN EDUCATION

- ❖ Emrah Özensoy
- ❖ Fahri Alkan
- ❖ Burak Ülgüt

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	K1. Having advanced theoretical and practical knowledge that emphasizes	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	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.	L1. Critically evaluating the advanced knowledge and skills acquired in the field. L2. Determining learning needs and redirecting education. L3. Developing positive attitude towards lifelong learning. L4. Having the awareness for the necessity of lifelong learning and constantly developing professional knowledge and skills.	C1. Informing the related persons and organizations in subjects regarding the field and expressing opinions and proposals for solutions to the problems orally and in a written way. C2. Sharing the opinions and solutions to problems supported by quantitative and qualitative data on subjects related to the field with experts and others. C3. Arranging and implementing projects and activities for the society with respect to social responsibility awareness. C4. Keeping track of the developments in the field and communicating with colleagues by speaking a foreign language at least on European Language Portfolio B1general level. C5. Using informatics and communication technologies together with computer software required by the field at least at	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.
EQF-LLL: 6th Level	scientific approach supported by course books, practice tools	advanced knowledge and skills acquired in the field; defining, analyzing and bring	W3. Planning and managing the activities for the improvement of the workers under one's			
QF-EHEA: 1st Cycle	and other resources containing current information in the field.	solutions to the problems parallel to the actual technologic developments based on evidence. S5. Having the skills to conceptualize the events and facts in the field; examining them with scientific methods and technics. S6. Designing and realizing experiments, gathering data,	responsibility within a project framework. W4. Taking part in decision making processes for problems in different discipline areas. W5. Using time effectively in achieving results through analytic thinking skills.			

		analyzing and commenting on the results for the investigation of problems.			European Computer Driving License advanced level. C6. Using the field knowledge on human health and environmental awareness for the benefit of the society.	
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3. PROGRAM ÇIKTILARI / PROGRAM OUTCOMES

3.1. PROGRAM ÇIKTILARININ LİSTESİ / LIST OF PROGRAM OUTCOMES

- a. Kimya temel disiplinlerinde yetkinlik gösterir. / *Demonstrate competence in the fundamental disciplines of chemistry.*
- b. Kimya alanındaki problemleri çözmek için yüksek matematik ve ileri fizik uygulamalarını kullanır. / *Apply higher mathematics and advanced physics for solving chemical problems.*
- c. Kimyasal deneyler tasarlar, uygular ve sonuçlarını analiz eder. / *Design and perform chemical experiments and to analyze the results.*
- d. Kimyasal deney yaparken geleneksel ve modern ekipmanları / cihazları kullanır. / *Use traditional and modern instrumentation for chemical experimentation.*
- e. Kimyasalları güvenli ve sorumlu bir şekilde kullanır. / *Handle chemicals safely and responsibly.*
- f. Araştırma sonuçlarını objektif ve dürüst bir şekilde raporlandırır. / *Report research results objectively and honestly.*
- g. Araştırma yapmak için bilgisayar ve veri işleme teknolojisini kullanır. / *Employ computers and data processing technology for research.*
- h. Bağımsız çalışma ve takım çalışmaları ile bilgilerini genişletir. / *Widen their knowledge through independent study and teamwork.*
- i. İngilizceyi ve anadilini etkin bir şekilde kullanarak akranları ve halk ile yazılı ve sözlü şekilde iletişime geçebilir. / *Communicate effectively orally and in writing with peers and the public using English and mother tongue.*
- j. Kimyanın sağlığa, topluma ve çevreye olumlu etkilerini değerlendirir. / *Assess of the impact of chemistry on health and well-being of society and environment.*
- k. 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)	(k)
K1	✓		✓	✓							
S1	✓	✓	✓								
S2	✓	✓	✓								
S3			✓	✓				✓			
S4			✓	✓		✓	✓			✓	
S5			✓	✓			✓	✓			
S6			✓	✓	✓	✓	✓		✓		
W1			✓	✓	✓	✓		✓			
W2				✓	✓			✓			
W3	✓		✓	✓				✓	✓		
W4								✓	✓	✓	
W5	✓	✓						✓			
L1	✓	✓	✓								
L2								✓	✓	✓	
L3	✓							✓			
L4								✓			
C1									✓	✓	
C2							✓		✓	✓	
C3			✓		✓				✓	✓	
C4								✓	✓		
C5				✓			✓				
C6								✓		✓	
F1						✓			✓	✓	✓
F2					✓					✓	✓

Tablo.3.2. Ulusal Yeterlilikler ile Kimya Lisans Programı Program Çıktıları Bağlantı Tablosu
/ **Table.3.2.** National Qualifications and Chemistry 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											Dersler / Courses	Program Çıktıları / Program Outcomes										
	a	b	c	d	e	f	g	h	i	j	k		a	b	c	d	e	f	g	h	i	j	k
CHEM 101	✓	✓	✓	✓	✓	✓	✓					CHEM 450	✓	✓					✓				
CHEM 102	✓	✓	✓	✓	✓	✓		✓	✓	✓		CHEM 461	✓						✓	✓	✓	✓	
CHEM 120								✓	✓	✓		COMD 358									✓		
CHEM 211	✓		✓	✓			✓					CS 115			✓	✓			✓				
CHEM 212	✓			✓								ENG 101							✓		✓		
CHEM 213	✓		✓	✓	✓				✓			ENG 102									✓		
CHEM 214	✓		✓	✓	✓				✓			GE 100											✓
CHEM 231	✓		✓				✓	✓				GE 250											✓
CHEM 232	✓						✓	✓				GE 251											✓
CHEM 235	✓		✓	✓	✓	✓	✓	✓	✓	✓		HIST 200								✓			
CHEM 236	✓		✓	✓	✓	✓	✓	✓	✓	✓		HUM 111									✓		
CHEM 320		✓	✓		✓	✓			✓			HUM 112									✓		
CHEM 323	✓	✓										MATH 101		✓	✓						✓		
CHEM 324	✓	✓	✓	✓	✓		✓			✓		MATH 102		✓	✓						✓		
CHEM 327	✓	✓							✓	✓		MATH 225		✓					✓				
CHEM 328	✓	✓							✓	✓		MBG 110								✓		✓	
CHEM 340	✓		✓	✓	✓	✓	✓	✓	✓			PHYS 101		✓	✓			✓		✓	✓		
CHEM 341	✓							✓				PHYS 102		✓	✓			✓		✓	✓		
CHEM 342	✓	✓						✓				TURK 101								✓	✓		
CHEM 399	✓		✓	✓	✓	✓	✓	✓		✓		TURK 102								✓	✓		
CHEM 422	✓	✓																					

Tablo.4.1. Kimya Lisans Programı Program Çıktılarının Müfredat Dersleri ile Eşleşme Tablosu / **Table.4.1.** Chemistry 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 // EVALUATION 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	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
CHEM 101	a	100	100	M3	50	
	Program Outputs	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
	b	100	100	M3	50	
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
	c	100	100	M3	70	
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
	d	100	100	M3	70	
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
	e	100	100	M3	70	
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
	f	100	100	M3	70	
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
	g	100	100	M3	70	
Course Code	Program Outputs	In-class attendance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
CHEM 120	h	100	100	M3	70	

Course Code	Program Outputs	In-class attendance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade							
CHEM 120	i	100	100	M3	70							
	Program Outputs	In-class attendance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade							
	j	100	100	M3	70							
Course Code	Program Outputs	Final:Essay/ written	Midterm:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
CHEM 211	a	50	50	100	M1	50	50					
	Program Outputs	Homework	Homework	Homework	Homework	Homework	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade			
	g	20	20	20	20	20	100	M3	50			
Course Code	Program Outputs	Final:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade							
CHEM 214	a	100	100	M3	70							
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
	c	16	16	16	16	16	16	4	100	M3	70	
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
	d	16	16	16	16	16	16	4	100	M3	70	
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
	e	16	16	16	16	16	16	4	100	M3	70	
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	
	j	16	16	16	16	16	16	4	100	M3	70	
Course Code	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
CHEM 231	a	40	50	10	100	M1	50	50				

Course Code	Program Outputs	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Final: Essay / written	In-class participation	
CHEM 235	e	7	7	7	7	7	7	7	7	7	7	30	
		Total Contribution	Qualification Calculation Method	(Average) Qualification Grade									
		100	M3	40									
	Program Outputs	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Final: Essay / written	Total Contribution	
	i	10	10	10	10	10	10	10	10	10	10	100	
		Qualification Calculation Method	(Average) Qualification Grade										
M3		40											
Course Code	Program Outputs	Lab work	Lab work	Lab work	Lab work	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade				
CHEM 320	c	20	20	20	20	20	100	M3	70				
	Program Outputs	Lab work	Lab work	Lab work	Lab work	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade				
	e	20	20	20	20	20	100	M3	70				
	Program Outputs	Lab work	Lab work	Lab work	Lab work	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade				
	f	20	20	20	20	20	100	M3	70				
Course Code	Program Outputs	Quiz	Quiz	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade					
CHEM 323	a	15	15	45	25	100	M3	40					
	Program Outputs	Quiz	Quiz	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade					
	b	15	15	45	25	100	M3	40					
Course Code	Program Outputs	Midterm:Essay/ written	Midterm	Final:Essay/ written	Homework	Homework	Homework	Homework	Homework	Quiz	Quiz	Quiz	
CHEM 327	a	20	20	30	2	2	2	2	2	4	4	4	
		Quiz	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
		4	4	100	M1	40	50						

Course Code	Program Outputs	Midterm:Essay/ written	Midterm	Final:Essay/ written	Homework	Quiz	Quiz	Quiz	Quiz	Quiz	Total Contribution	Qualification Calculation Method
CHEM 327	b	20	20	30	5	5	5	5	5	5	100	M1
		(Average) Qualification Grade	Qualification Threshold (%)									
		40	50									
Course Code	Program Outputs	Midterm:Essay/ written	Midterm	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade					
CHEM 341	a	35	35	30	100	M3	40					
	Program Outputs	Midterm:Essay /written	Midterm	Final:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade					
	h	35	35	30	100	M3	40					
Course Code	Program Outputs	Midterm:Essay/ written	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade						
CHEM 450	a	50	50	100	M3	70						
	Program Outputs	Midterm:Essay/ written	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade						
	b	50	50	100	M3	70						
	Program Outputs	Project	Project	Project	Project	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade			
g	20	20	20	20	20	20	100	M3	70			
Course Code	Program Outputs	Final:Essay/ written	Midterm:Essay/ written	Quiz	Quiz	Quiz	Presentation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade		
CHEM 461	a	40	40	5	5	5	5	100	M3	50		
	Program Outputs	Final:Essay/ written	Midterm:Essay/ written	Quiz	Quiz	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade			
	g	5	5	30	30	30	100	M3	50			
	Program Outputs	Presentation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade							
h	100	100	M3	50								

Course Code	Program Outputs	Final:Essay/ written	Midterm:Essay/ written	Presentation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade					
CHEM 461	i	25	25	50	100	M3	50					
	Program Outputs	Presentation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade							
	j	100	100	M3	50							
Course Code	Program Outputs	Homework	Homework	Midterm	Project	Term project	Presentations	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
COMD 358	j	5	10	30	20	20	10	5	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	c	20	40	40	100	M1	40	75				
	Program Outputs	Lab exam	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
	d	20	40	40	100	M1	40	75				
	Program Outputs	Lab exam	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
	g	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	g	20	25	8	7	10	5	25	100	M1	70	75
	Program Outputs	Academic Essay 1	Essay	Oral Presentation	Student Led Discussion	Academic Summary and Critical Response Task	Self-progress Reflection Task	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	j	20	25	8	7	10	5	25	100	M1	70	75
Course Code	Program Outputs	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	j	5	20	20	10	30	15	100	M1	70	75	

Course Code	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
GE 100	k	100	100	M1	12	80				
Course Code	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
GE 251	k	100	100	M1	100	70				
Course Code	Program Outputs	Oral presentation	Research essay	Performance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
HIST 200	h	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	j	30	30	10	30	100	M1	60	75	
Course Code	Program Outputs	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
MATH 101	b	30	30	40	100	M1	40	50		
	Program Outputs	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	c	30	30	40	100	M1	40	50		
	Program Outputs	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	j	30	30	40	100	M1	40	50		
Course Code	Program Outputs	Midterm:Essay/ written	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
MATH 102	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 (%)		
	c	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	j	30	30	40	100	M1	40	50				
Course Code	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
MATH 225	b	50	50	100	M1	40	50					
	Program Outputs	Midterm:Essay/ written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	g	50	50	100	M1	40	50					
Course Code	Program Outputs	Homework	Quiz	Quiz	Quiz	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
MBG 110	h	7,5	7,5	7,5	7,5	20	25	25	100	M1	50	50
	Program Outputs	Homework	Quiz	Quiz	Quiz	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)
	i	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	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 (%)	
	c	15	20	15	5	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	f	15	20	15	5	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	h	15	20	15	5	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	j	15	20	15	5	25	20	100	M1	50	50	

Course Code	Program Outputs	Blog	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
TURK 101	j	70	30	100	M1	70	60	
Course Code	Program Outputs	Blog	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
TURK 102	j	70	30	100	M1	70	60	

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

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

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

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

Course Code	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
CHEM 101	a	30	30	40	100	M1	50	50	
	Program Outputs	Final:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	b	100	100	M1	50	50			
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	c	100	100	M1	50	50			
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	d	100	100	M1	50	50			
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	e	100	100	M1	50	50			
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	f	100	100	M1	50	50			
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	g	100	100	M1	50	50			
Course Code	Program Outputs	Quiz	Midterm	Midterm	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
CHEM 102	a	30	30	40	100	M1	50	50	
	Program Outputs	Midterm	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	b	100	100	M1	50	50			

Course Code	Program Outputs	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
CHEM 102	c	100	100	M1	50	50			
	Program Outputs	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	d	100	100	M1	50	50			
	Program Outputs	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	e	100	100	M1	50	50			
	Program Outputs	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	f	100	100	M1	50	50			
	Program Outputs	Midterm	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	h	80	20	100	M1	50	50		
	Program Outputs	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
	i	100	100	M1	50	50			
	Program Outputs	Quiz	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
j	100	100	100	M1	50	50			
Course Code	Program Outputs	Final:Essay/ written	Midterm:Essay /written	Midterm:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
CHEM 212	a	40	30	30	100	M1	50	50	
	Program Outputs	Final:Essay/ written	Midterm:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	d	50	50	100	M1	50	50		
Course Code	Program Outputs	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)			
CHEM 213	a	100	100	M1	50	50			

Course Code	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Quiz	Quiz	Quiz	Quiz	Quiz	Quiz
CHEM 213	c	11	11	11	11	10	10	6	6	6	6	6	6
		Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)								
		100	M1	50	50								
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Quiz	Quiz	Quiz	Quiz	Quiz	Quiz
	d	11	11	11	11	10	10	6	6	6	6	6	6
		Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)								
		100	M1	50	50								
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	e	16	17	17	17	17	16	100	M1	50	50		
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
	j	11	11	11	11	12	11	11	11	11	100	M1	50
		Qualification Threshold (%)											
		50											
Course Code	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
CHEM 232	a	30	30	40	100	M1	50	50					
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	g	30	30	40	100	M1	50	50					
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	h	30	30	40	100	M1	50	50					

Course Code	Program Outputs	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
CHEM 236	a	100	100	M1	50	50							
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	In-Lab Participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	c	16	16	16	16	16	16	4	100	M1	50	50	
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	In-Lab Participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	d	16	16	16	16	16	16	4	100	M1	50	50	
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	In-Lab Participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	e	16	16	16	16	16	16	4	100	M3	60		
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	In-Lab Participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	f	16	16	16	16	16	16	4	100	M1	50	50	
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	In-Lab Participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	g	16	16	16	16	16	16	4	100	M1	50	50	
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	In-Lab Participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	h	16	16	16	16	16	16	4	100	M1	50	50	
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	In-Lab Participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	i	16	16	16	16	16	16	16	4	100	M1	50	50
Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	In-Lab Participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
j	16	16	16	16	16	16	16	4	100	M1	50	50	
Course Code	Program Outputs	Midterm:Essay /written	Final:Essay/ written	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
CHEM 324	a	30	50	20	100	M1	50	50					
	Program Outputs	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	b	100	100	M1	50	50							

Course Code	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
CHEM 324	c	100	100	M1	50	50							
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	d	100	100	M1	50	50							
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	e	100	100	M1	50	50							
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	g	100	100	M1	50	50							
	Program Outputs	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	i	100	100	M1	50	50							
Course Code	Program Outputs	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
CHEM 328	a	100	100	M1	50	50							
	Program Outputs	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	b	100	100	M1	50	50							
	Program Outputs	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	i	100	100	M1	50	50							
	Program Outputs	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	j	100	100	M1	50	50							
Course Code	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Midterm:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
CHEM 340	a	11	11	11	11	11	11	11	11	12	100	M1	50
		Qualification Threshold (%)											
		50											

Course Code	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Midterm:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
CHEM 340	c	11	11	11	11	11	11	11	11	12	100	M1	50
		Qualification Threshold (%)											
		50											
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Midterm:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
	d	11	11	11	11	11	11	11	11	12	100	M1	50
		Qualification Threshold (%)											
		50											
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Midterm:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
	e	11	11	11	11	11	11	11	11	12	100	M1	50
		Qualification Threshold (%)											
		50											
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Midterm:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
	f	11	11	11	11	11	11	11	11	12	100	M1	50
		Qualification Threshold (%)											
		50											
	Program Outputs	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Papers(s)/ Reports	Midterm:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
	g	11	11	11	11	11	11	11	11	12	100	M1	50
		Qualification Threshold (%)											
		50											
	Program Outputs	Presentations	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	h	100	100	M1	50	50							

Course Code	Program Outputs	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Papers(s)/Reports	Midterm:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade
CHEM 340	j	11	11	11	11	11	11	11	11	12	100	M1	50
		Qualification Threshold (%)											
		50											
Course Code	Program Outputs	Final:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
CHEM 342	a	100	100	M1	50	50							
	Program Outputs	Final:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	b	100	100	M1	50	50							
	Program Outputs	Final:Essay /written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)							
	h	100	100	M1	50	50							
Course Code	Program Outputs	Midterm:Essay /written	Midterm	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
CHEM 422	a	30	30	40	100	M1	50	50					
	Program Outputs	Midterm:Essay /written	Midterm	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	b	30	30	40	100	M1	50	50					
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	j	5	5	10	30	10	10	10	15	5	100	M1	60
		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	c	20	40	40	100	M1	40	75					
	Program Outputs	Lab exam	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	d	20	40	40	100	M1	40	75					
	Program Outputs	Lab exam	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	g	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	g	10	20	25	5	8	7	25	100	M1	50	50	
	Program Outputs	Academic Essay 1	Essay	Oral Presentation	Student Led Discussion	Academic Summary and Critical Response Task	Self-progress Reflection Task	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	j	10	20	25	5	8	7	25	100	M1	50	50	
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	j	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								
GE 100	k	100	100	M3	50								
Course Code	Program Outputs	In-class participation	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade								
GE 251	k	100	100	M3	70								
Course Code	Program Outputs	Oral presentation	Research essay	Performance	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
HIST 200	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 (%)					
	j	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	h	30	30	30	10	100	M1	60	75				
	Program Outputs	Quizzes	Course Project	In-class participation	Final Examination	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)				
	j	30	30	30	10	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	h	30	30	30	10	100	M1	60	75					
	Program Outputs	Quizzes	In-class participation	Final:Essay/ written	Project	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	j	30	30	30	10	100	M1	60	75					
Course Code	Program Outputs	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
MATH 101	b	30	30	40	100	M1	40	50						
	Program Outputs	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
	c	30	30	40	100	M1	40	50						
	Program Outputs	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
	j	30	30	40	100	M1	40	50						
Course Code	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
MATH 102	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 (%)						
	c	30	30	40	100	M1	40	50						
	Program Outputs	Midterm:Essay /written	Midterm:Essay /written	Final:Essay/ written	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)						
	j	30	30	40	100	M1	40	50						
Course Code	Program Outputs	Midterm:Essay /written	Final:Essay/wri tten	Homework	Homework	Homework	Homework	Homework	Quiz	Quiz	Quiz	Quiz	Quiz	
MATH 225	b	40	40	3	3	3	3	3	1	1	1	1	1	
		Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)									
		100	M1	40	50									

Course Code	Program Outputs	Midterm:Essay /written	Final:Essay/written	Homework	Homework	Homework	Homework	Homework	Quiz	Quiz	Quiz	Quiz	Quiz
MATH 225	g	40	40	3	3	3	3	3	1	1	1	1	1
		Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)								
		100	M1	40	50								
Course Code	Program Outputs	Quiz	Quiz	Quiz	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
MBG 110	h	5	5	5	25	30	30	100	M1	50	50		
	Program Outputs	Quiz	Quiz	Quiz	Midterm	Midterm	Final	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	i	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	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 (%)		
	c	20	20	10	5	25	20	100	M1	50	50		
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	f	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 (%)		
	h	20	20	10	5	25	20	100	M1	50	50		
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)		
	j	20	20	10	5	25	20	100	M1	50	50		

Course Code	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
PHYS 102	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 (%)	
	c	20	20	10	5	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	f	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 (%)	
	h	20	20	10	5	25	20	100	M1	50	50	
	Program Outputs	Midterm	Midterm	Quiz	Homework	Final	Lab work	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)	
	j	20	20	10	5	25	20	100	M1	50	50	
Course Code	Program Outputs	Blog	Final Sınavı	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
TURK 101	h	70	30	100	M1	70	60					
	Program Outputs	Blog	Final Sınavı	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	j	70	30	100	M1	70	60					
Course Code	Program Outputs	Blog	Final Sınavı	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
TURK 102	h	70	30	100	M1	70	60					
	Program Outputs	Blog	Final Sınavı	Total Contribution	Qualification Calculation Method	(Average) Qualification Grade	Qualification Threshold (%)					
	j	70	30	100	M1	70	60					

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

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

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

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

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

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
CHEM 101 - Kimyanın Temelleri I / CHEM 101 - Principles of Chemistry I													
a	M3	50		95	28	62.41	64.96	75	25	78.95	89.29	Yeterli ✓ / Sufficient ✓	64.96
b	M3	50		95	28	62.41	64.96	75	25	78.95	89.29	Yeterli ✓ / Sufficient ✓	64.96
c	M3	70		95	28	89.55	90.13	95	28	100	100	Yeterli ✓ / Sufficient ✓	90.13
d	M3	70		95	28	89.55	90.13	95	28	100	100	Yeterli ✓ / Sufficient ✓	90.13
e	M3	70		95	28	89.55	90.13	95	28	100	100	Yeterli ✓ / Sufficient ✓	90.13
f	M3	70		95	28	89.55	90.13	95	28	100	100	Yeterli ✓ / Sufficient ✓	90.13
g	M3	70		95	28	89.55	90.13	95	28	100	100	Yeterli ✓ / Sufficient ✓	90.13
CHEM 120 - Kimya Öğrencileri İçin Üniversite Hayatına Giriş / CHEM 120 - Orientation for Chemistry Majors													
h	M3	70		29	29	97.7	97.7	29	29	100	100	Yeterli ✓ / Sufficient ✓	97.7
i	M3	70		29	29	97.7	97.7	29	29	100	100	Yeterli ✓ / Sufficient ✓	97.7
j	M3	70		29	29	97.7	97.7	29	29	100	100	Yeterli ✓ / Sufficient ✓	97.7
CHEM 211 - Analitik Kimya I / CHEM 211 - Analytical Chemistry I													
a	M1	50	50	44	43	62.5	62.02	36	35	81.82	81.4	Yeterli ✓ / Sufficient ✓	81.4
g	M3	50		44	43	75.66	75.73	39	38	88.64	88.37	Yeterli ✓ / Sufficient ✓	75.73

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
CHEM 214 - Analitik Kimya Laboratuvarı II / CHEM 214 - Analytical Chemistry Laboratory II													
a	M3	70		22	22	83.05	83.05	20	20	90.91	90.91	Yeterli ✓ / Sufficient ✓	83.05
c	M3	70		22	22	78.77	78.77	15	15	68.18	68.18	Yeterli ✓ / Sufficient ✓	78.77
d	M3	70		22	22	78.77	78.77	15	15	68.18	68.18	Yeterli ✓ / Sufficient ✓	78.77
e	M3	70		22	22	78.77	78.77	15	15	68.18	68.18	Yeterli ✓ / Sufficient ✓	78.77
j	M3	70		22	22	78.77	78.77	15	15	68.18	68.18	Yeterli ✓ / Sufficient ✓	78.77
CHEM 231 - Organik Kimya I / CHEM 231 - Organic Chemistry I													
a	M1	50	50	47	45	54.28	54.85	23	23	48.94	51.11	Yeterli ✓ / Sufficient ✓	51.11
CHEM 235 - Organik Kimya Laboratuvarı I / CHEM 235 - Organic Chemistry Laboratory I													
e	M3	40		41	41	73.44	73.44	41	41	100	100	Yeterli ✓ / Sufficient ✓	73.44
i	M3	40		41	41	65.6	65.6	40	40	97.56	97.56	Yeterli ✓ / Sufficient ✓	65.6
CHEM 320 - Fizikokimya Laboratuvarı / CHEM 320 - Physical Chemistry Laboratory													
c	M3	70		24	24	84.39	84.39	20	20	83.33	83.33	Yeterli ✓ / Sufficient ✓	84.39
e	M3	70		24	24	84.39	84.39	20	20	83.33	83.33	Yeterli ✓ / Sufficient ✓	84.39
f	M3	70		24	24	84.39	84.39	20	20	83.33	83.33	Yeterli ✓ / Sufficient ✓	84.39
CHEM 323 - Fizikokimya I / CHEM 323 - Physical Chemistry I													
a	M3	40		26	24	72.01	70.78	26	24	100	100	Yeterli ✓ / Sufficient ✓	70.78
b	M3	40		26	24	72.01	70.78	26	24	100	100	Yeterli ✓ / Sufficient ✓	70.78
CHEM 327 - Kuantum Kimyası I / CHEM 327 - Quantum Chemistry I													
a	M1	40	50	31	29	57.97	55.57	23	21	74.19	72.41	Yeterli ✓ / Sufficient ✓	72.41
b	M1	40	50	31	29	55.93	53.38	21	19	67.74	65.52	Yeterli ✓ / Sufficient ✓	65.52

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
CHEM 341 - Anorganik Kimya I / CHEM 341 - Inorganic Chemistry I													
a	M3	40		25	24	63.2	62.83	25	24	100	100	Yeterli ✓ / Sufficient ✓	62.83
h	M3	40		25	24	63.2	62.83	25	24	100	100	Yeterli ✓ / Sufficient ✓	62.83
CHEM 450 - Uygulamalı Kuantum Kimyası / CHEM 450 - Applied Quantum Chemistry													
a	M3	70		26	26	52.67	52.67	5	5	19.23	19.23	İyileştirmeye Açıktır / Insufficient!	52.67
b	M3	70		26	26	52.67	52.67	5	5	19.23	19.23	İyileştirmeye Açıktır / Insufficient!	52.67
g	M3	70		26	26	92.27	92.27	26	26	100	100	Yeterli ✓ / Sufficient ✓	92.27
CHEM 461 - Biyokimyanın Temelleri / CHEM 461 - Fundamentals of Biochemistry													
a	M3	50		27	27	67.36	67.36	24	24	88.89	88.89	Yeterli ✓ / Sufficient ✓	67.36
g	M3	50		27	27	80.48	80.48	27	27	100	100	Yeterli ✓ / Sufficient ✓	80.48
h	M3	50		27	27	100	100	27	27	100	100	Yeterli ✓ / Sufficient ✓	100
i	M3	50		27	27	81.24	81.24	27	27	100	100	Yeterli ✓ / Sufficient ✓	81.24
j	M3	50		27	27	100	100	27	27	100	100	Yeterli ✓ / Sufficient ✓	100
COMD 358 - Profesyonel İletişim / COMD 358 - Professional Communication													
j	M1	60	70	488	20	85.55	89.08	487	20	99.8	100	Yeterli ✓ / Sufficient ✓	100
CS 115 - Python ile Programlamaya Giriş / CS 115 - Introduction to Programming in Python													
c	M1	40	75	361	23	67.28	64.53	338	22	93.63	95.65	Yeterli ✓ / Sufficient ✓	95.65
d	M1	40	75	361	23	67.28	64.53	338	22	93.63	95.65	Yeterli ✓ / Sufficient ✓	95.65
g	M1	40	75	361	23	67.28	64.53	338	22	93.63	95.65	Yeterli ✓ / Sufficient ✓	95.65

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
ENG 101 - İngilizce ve Kompozisyon I/ ENG 101 - English and Composition I													
g	M1	70	75	1478	20	83.35	89.65	1377	20	93.17	100	Yeterli ✓ / Sufficient ✓	100
j	M1	70	75	1478	20	83.35	89.65	1377	20	93.17	100	Yeterli ✓ / Sufficient ✓	100
ENG 102 - İngilizce ve Kompozisyon II/ ENG 102 - English and Composition II													
j	M1	70	75	535	7	86.02	88.2	521	7	97.38	100	Yeterli ✓ / Sufficient ✓	100
GE 100 - Üniversite Hayatına Giriş/ GE 100 - Orientation													
k	M1	12	80	1518	17	96.71	99.12	1518	17	100	100	Yeterli ✓ / Sufficient ✓	100
GE 251 - Üniversite Etkinlik Programı II/ GE 251 - Collegiate Activities Program II													
k	M1	100	70	889	15	92.49	99.67	585	14	65.8	93.33	Yeterli ✓ / Sufficient ✓	93.33
HIST 200 - Türkiye Tarihi/ HIST 200 - History of Turkey													
h	M1	70	75	1022	8	91.01	94.82	1006	8	98.43	100	Yeterli ✓ / Sufficient ✓	100
HUM 111 - Kültürler, Medeniyetler ve Düşünceler I/ HUM 111 - Cultures Civilizations and Ideas I													
j	M1	60	75	1273	13	83.63	82.49	1262	13	99.14	100	Yeterli ✓ / Sufficient ✓	100
MATH 101 - Matematik I/ MATH 101 - Calculus I													
b	M1	40	50	690	31	55.03	47.65	547	23	79.28	74.19	Yeterli ✓ / Sufficient ✓	74.19
c	M1	40	50	690	31	55.03	47.65	547	23	79.28	74.19	Yeterli ✓ / Sufficient ✓	74.19
j	M1	40	50	690	31	55.03	47.65	547	23	79.28	74.19	Yeterli ✓ / Sufficient ✓	74.19
MATH 102 - Matematik II/ MATH 102 - Calculus II													
b	M1	40	50	183	2	59.14	47.65	150	1	81.97	50	Yeterli ✓ / Sufficient ✓	50
c	M1	40	50	183	2	59.14	47.65	150	1	81.97	50	Yeterli ✓ / Sufficient ✓	50
j	M1	40	50	183	2	59.14	47.65	150	1	81.97	50	Yeterli ✓ / Sufficient ✓	50

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu/ Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı/ Number of Students (All)	Toplam Dept. Öğrenci Sayısı/ Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
MATH 225 - Doğrusal Cebir ve Türevsel Denklemler / MATH 225 - Linear Algebra and Differential Equations													
b	M1	40	50	230	12	54.26	49.58	168	6	73.04	50	Yeterli ✓ / Sufficient ✓	50
g	M1	40	50	230	12	54.26	49.58	168	6	73.04	50	Yeterli ✓ / Sufficient ✓	50
MBG 110 - Modern Biyolojiye Giriş / MBG 110 - Introduction to Modern Biology													
h	M1	50	50	449	21	77.45	82.12	433	21	96.44	100	Yeterli ✓ / Sufficient ✓	100
i	M1	50	50	449	21	77.45	82.12	433	21	96.44	100	Yeterli ✓ / Sufficient ✓	100
PHYS 101 - Genel Fizik I / PHYS 101 - General Physics I													
b	M1	50	50	638	27	73.77	67.58	613	25	96.08	92.59	Yeterli ✓ / Sufficient ✓	92.59
c	M1	50	50	638	27	73.77	67.58	613	25	96.08	92.59	Yeterli ✓ / Sufficient ✓	92.59
f	M1	50	50	638	27	73.77	67.58	613	25	96.08	92.59	Yeterli ✓ / Sufficient ✓	92.59
h	M1	50	50	638	27	73.77	67.58	613	25	96.08	92.59	Yeterli ✓ / Sufficient ✓	92.59
j	M1	50	50	638	27	73.77	67.58	613	25	96.08	92.59	Yeterli ✓ / Sufficient ✓	92.59
TURK 101 - Türkçe I / TURK 101 - Turkish I													
j	M1	70	60	1373	16	87.67	91.38	1347	16	98.11	100	Yeterli ✓ / Sufficient ✓	100
TURK 102 - Türkçe II / TURK 102 - Turkish II													
j	M1	70	60	592	10	88.83	89.8	588	10	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 (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı / Number of Students (All)	Toplam Dept. Öğrenci Sayısı / Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
CHEM 101 - Kimyanın Temelleri I / CHEM 101 - Principles of Chemistry I													
a	M1	50	50	39	6	66.19	67.90	33	5	84.62	83.33	Yeterli ✓ / Sufficient ✓	83.33
b	M1	50	50	39	6	59.33	64.50	24	3	61.54	50.00	Yeterli ✓ / Sufficient ✓	50.00
c	M1	50	50	39	6	18.16	37.84	9	3	23.08	50.00	Yeterli ✓ / Sufficient ✓	50.00
d	M1	50	50	39	6	18.16	37.84	9	3	23.08	50.00	Yeterli ✓ / Sufficient ✓	50.00
e	M1	50	50	39	6	18.16	37.84	9	3	23.08	50.00	Yeterli ✓ / Sufficient ✓	50.00
f	M1	50	50	39	6	18.16	37.84	9	3	23.08	50.00	Yeterli ✓ / Sufficient ✓	50.00
g	M1	50	50	39	6	18.16	37.84	9	3	23.08	50.00	Yeterli ✓ / Sufficient ✓	50.00
CHEM 102 - Kimyanın Temelleri II / CHEM 102 - Principles of Chemistry II													
a	M1	50	50	106	25	60.84	61.48	79	21	74.53	84.00	Yeterli ✓ / Sufficient ✓	84.00
b	M1	50	50	106	25	63.04	64.40	83	20	78.30	80.00	Yeterli ✓ / Sufficient ✓	80.00
c	M1	50	50	106	25	89.75	89.93	106	25	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
d	M1	50	50	106	25	89.75	89.93	106	25	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
e	M1	50	50	106	25	89.75	89.93	106	25	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
f	M1	50	50	106	25	89.75	89.93	106	25	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
h	M1	50	50	106	25	63.18	65.47	83	21	78.30	84.00	Yeterli ✓ / Sufficient ✓	84.00
i	M1	50	50	106	25	89.75	89.93	106	25	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
j	M1	50	50	106	25	89.75	89.93	106	25	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu / Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı / Number of Students (All)	Toplam Dept. Öğrenci Sayısı / Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
CHEM 212 - Analitik Kimya II / CHEM 212 - Analytical Chemistry II													
a	M1	50	50	37	36	58.31	57.93	24	23	64.86	63.89	Yeterli ✓ / Sufficient ✓	63.89
d	M1	50	50	37	36	59.69	59.15	24	23	64.86	63.89	Yeterli ✓ / Sufficient ✓	63.89
CHEM 213 - Analitik Kimya Laboratuvarı I / CHEM 213 - Analytical Chemistry Laboratory I													
a	M1	50	50	44	44	72.09	72.09	40	40	90.91	90.91	Yeterli ✓ / Sufficient ✓	90.91
c	M1	50	50	44	44	85.25	85.25	44	44	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
d	M1	50	50	44	44	85.25	85.25	44	44	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
e	M1	50	50	44	44	89.02	89.02	44	44	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
j	M1	50	50	44	44	89.72	89.72	44	44	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
CHEM 232 - Organik Kimya II / CHEM 232 - Organic Chemistry II													
a	M1	50	50	41	40	51.99	51.75	22	21	53.66	52.50	Yeterli ✓ / Sufficient ✓	52.50
g	M1	50	50	41	40	51.99	51.75	22	21	53.66	52.50	Yeterli ✓ / Sufficient ✓	52.50
h	M1	50	50	41	40	51.99	51.75	22	21	53.66	52.50	Yeterli ✓ / Sufficient ✓	52.50
CHEM 236 - Organik Kimya Laboratuvarı II / CHEM 236 - Organic Chemistry Laboratory II													
a	M1	50	50	41	40	63.56	63.50	31	30	75.61	75.00	Yeterli ✓ / Sufficient ✓	75.00
c	M1	50	50	41	40	81.49	81.46	41	40	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
d	M1	50	50	41	40	81.49	81.46	41	40	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
e	M3	60		41	40	81.49	81.46	40	39	97.56	97.50	Yeterli ✓ / Sufficient ✓	81.46
f	M1	50	50	41	40	81.49	81.46	41	40	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	50	50	41	40	81.49	81.46	41	40	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
h	M1	50	50	41	40	81.49	81.46	41	40	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
i	M1	50	50	41	40	81.49	81.46	41	40	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
j	M1	50	50	41	40	81.49	81.46	41	40	100.00	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
CHEM 324 - Fizikokimya II/ CHEM 324 - Physical Chemistry II													
a	M1	50	50	24	23	61.25	60.94	18	17	75.00	73.91	Yeterli ✓ / Sufficient ✓	73.91
b	M1	50	50	24	23	52.63	52.39	15	14	62.50	60.87	Yeterli ✓ / Sufficient ✓	60.87
c	M1	50	50	24	23	76.21	75.57	24	23	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
d	M1	50	50	24	23	76.21	75.57	24	23	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
e	M1	50	50	24	23	76.21	75.57	24	23	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	50	50	24	23	76.21	75.57	24	23	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
i	M1	50	50	24	23	76.21	75.57	24	23	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
CHEM 328 - Kuantum Kimyası II/ CHEM 328 - Quantum Chemistry II													
a	M1	50	50	28	28	45.38	45.38	9	9	32.14	32.14	İyileştirmeye Açık! / Insufficient!	32.14
b	M1	50	50	28	28	45.38	45.38	9	9	32.14	32.14	İyileştirmeye Açık! / Insufficient!	32.14
i	M1	50	50	28	28	45.38	45.38	9	9	32.14	32.14	İyileştirmeye Açık! / Insufficient!	32.14
j	M1	50	50	28	28	45.38	45.38	9	9	32.14	32.14	İyileştirmeye Açık! / Insufficient!	32.14
CHEM 340 - Anorganik Kimya Laboratuvarı/ CHEM 340 - Inorganic Chemistry Laboratory													
a	M1	50	50	20	20	86.09	86.09	20	20	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
c	M1	50	50	20	20	86.09	86.09	20	20	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
d	M1	50	50	20	20	86.09	86.09	20	20	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
e	M1	50	50	20	20	86.09	86.09	20	20	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
f	M1	50	50	20	20	86.09	86.09	20	20	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	50	50	20	20	86.09	86.09	20	20	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
h	M1	50	50	20	20	93.30	93.30	20	20	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
j	M1	50	50	20	20	86.09	86.09	20	20	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu / Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı / Number of Students (All)	Toplam Dept. Öğrenci Sayısı / Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
CHEM 342 - Anorganik Kimya II / CHEM 342 - Inorganic Chemistry II													
a	M1	50	50	21	20	54.71	54.30	14	13	66.67	65.00	Yeterli ✓ / Sufficient ✓	65.00
b	M1	50	50	21	20	54.71	54.30	14	13	66.67	65.00	Yeterli ✓ / Sufficient ✓	65.00
h	M1	50	50	21	20	54.71	54.30	14	13	66.67	65.00	Yeterli ✓ / Sufficient ✓	65.00
CHEM 422 - İstatistiksel Termodinamiğe Giriş / CHEM 422 - Introduction to Statistical Thermodynamics													
a	M1	50	50	29	28	49.10	47.63	14	13	48.28	46.43	İyileştirmeye Açık! / Insufficient!	46.43
b	M1	50	50	29	28	49.10	47.63	14	13	48.28	46.43	İyileştirmeye Açık! / Insufficient!	46.43
COMD 358 - Profesyonel İletişim / COMD 358 - Professional Communication													
j	M1	60	70	337	6	79.59	78.67	335	6	99.41	100.00	Yeterli ✓ / Sufficient ✓	100.00
CS 115 - Python ile Programlamaya Giriş / CS 115 - Introduction to Programming in Python													
c	M1	40	75	273	6	67.50	63.55	269	6	98.53	100.00	Yeterli ✓ / Sufficient ✓	100.00
d	M1	40	75	273	6	67.50	63.55	269	6	98.53	100.00	Yeterli ✓ / Sufficient ✓	100.00
g	M1	40	75	273	6	67.50	63.55	269	6	98.53	100.00	Yeterli ✓ / Sufficient ✓	100.00
ENG 101 - İngilizce ve Kompozisyon I / ENG 101 - English and Composition I													
g	M1	50	50	672	5	82.88	87.82	671	5	99.85	100.00	Yeterli ✓ / Sufficient ✓	100.00
j	M1	50	50	672	5	82.88	87.82	671	5	99.85	100.00	Yeterli ✓ / Sufficient ✓	100.00
ENG 102 - İngilizce ve Kompozisyon II / ENG 102 - English and Composition II													
j	M1	70	70	1314	18	85.76	89.67	1284	18	97.72	100.00	Yeterli ✓ / Sufficient ✓	100.00
GE 100 - Üniversite Hayatına Giriş / GE 100 - Orientation													
k	M3	50		545	5	95.50	100.00	545	5	100.00	100.00	Yeterli ✓ / Sufficient ✓	100.00
GE 251 - Üniversite Etkinlik Programı II / GE 251 - Collegiate Activities Program II													
k	M3	70		1401	20	93.93	93.25	1301	17	92.86	85.00	Yeterli ✓ / Sufficient ✓	93.25

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													
h	M1	70	75	917	25	91.63	91.00	900	24	98.15	96.00	Yeterli ✓ / Sufficient ✓	96.00
j	M1	70	75	917	25	91.63	91.00	900	24	98.15	96.00	Yeterli ✓ / Sufficient ✓	96.00
HUM 111 - Kùltürler, Medeniyetler ve Düşünceler I / HUM 111 - Cultures Civilizations and Ideas I													
h	M1	60	75	504	12	81.53	86.06	483	12	95.83	100.00	Yeterli ✓ / Sufficient ✓	100.00
j	M1	60	75	504	12	81.53	86.06	483	12	95.83	100.00	Yeterli ✓ / Sufficient ✓	100.00
HUM 112 - Kùltürler, Medeniyetler ve Düşünceler II / HUM 112 - Cultures Civilizations and Ideas II													
h	M1	60	75	1009	20	84.69	85.36	982	19	97.32	95.00	Yeterli ✓ / Sufficient ✓	95.00
j	M1	60	75	1009	20	84.69	85.36	982	19	97.32	95.00	Yeterli ✓ / Sufficient ✓	95.00
MATH 101 - Matematik I / MATH 101 - Calculus I													
b	M1	40	50	220	9	52.69	48.27	149	5	67.73	55.56	Yeterli ✓ / Sufficient ✓	55.56
c	M1	40	50	220	9	52.69	48.27	149	5	67.73	55.56	Yeterli ✓ / Sufficient ✓	55.56
j	M1	40	50	220	9	52.69	48.27	149	5	67.73	55.56	Yeterli ✓ / Sufficient ✓	55.56
MATH 102 - Matematik II / MATH 102 - Calculus II													
b	M1	40	50	618	22	49.37	42.97	432	13	69.90	59.09	Yeterli ✓ / Sufficient ✓	59.09
c	M1	40	50	618	22	49.37	42.97	432	13	69.90	59.09	Yeterli ✓ / Sufficient ✓	59.09
j	M1	40	50	618	22	49.37	42.97	432	13	69.90	59.09	Yeterli ✓ / Sufficient ✓	59.09
MATH 225 - Doğrusal Cebir ve Türevsel Denklemler / MATH 225 - Linear Algebra and Differential Equations													
b	M1	40	50	201	25	64.19	55.51	190	22	94.53	88.00	Yeterli ✓ / Sufficient ✓	88.00
g	M1	40	50	201	25	64.19	55.51	190	22	94.53	88.00	Yeterli ✓ / Sufficient ✓	88.00
MBG 110 - Modern Biyolojiye Giriş / MBG 110 - Introduction to Modern Biology													
h	M1	50	50	570	17	68.93	81.64	497	17	87.19	100.00	Yeterli ✓ / Sufficient ✓	100.00
i	M1	50	50	570	17	68.93	81.64	497	17	87.19	100.00	Yeterli ✓ / Sufficient ✓	100.00

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu / Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı / Number of Students (All)	Toplam Dept. Öğrenci Sayısı / Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
PHYS 101 - Genel Fizik I / PHYS 101 - General Physics I													
b	M1	50	50	197	7	65.15	62.43	157	4	79.70	57.14	Yeterli ✓ / Sufficient ✓	57.14
c	M1	50	50	197	7	65.15	62.43	157	4	79.70	57.14	Yeterli ✓ / Sufficient ✓	57.14
f	M1	50	50	197	7	65.15	62.43	157	4	79.70	57.14	Yeterli ✓ / Sufficient ✓	57.14
h	M1	50	50	197	7	65.15	62.43	157	4	79.70	57.14	Yeterli ✓ / Sufficient ✓	57.14
j	M1	50	50	197	7	65.15	62.43	157	4	79.70	57.14	Yeterli ✓ / Sufficient ✓	57.14
PHYS 102 - Genel Fizik II / PHYS 102 - General Physics II													
b	M1	50	50	649	24	66.67	63.38	570	20	87.83	83.33	Yeterli ✓ / Sufficient ✓	83.33
c	M1	50	50	649	24	66.67	63.38	570	20	87.83	83.33	Yeterli ✓ / Sufficient ✓	83.33
f	M1	50	50	649	24	66.67	63.38	570	20	87.83	83.33	Yeterli ✓ / Sufficient ✓	83.33
h	M1	50	50	649	24	66.67	63.38	570	20	87.83	83.33	Yeterli ✓ / Sufficient ✓	83.33
j	M1	50	50	649	24	66.67	63.38	570	20	87.83	83.33	Yeterli ✓ / Sufficient ✓	83.33
TURK 101 - Türkçe I / TURK 101 - Turkish I													
h	M1	70	60	597	5	85.40	89.48	578	5	96.82	100.00	Yeterli ✓ / Sufficient ✓	100.00
j	M1	70	60	597	5	85.40	89.48	578	5	96.82	100.00	Yeterli ✓ / Sufficient ✓	100.00
TURK 102 - Türkçe II / TURK 102 - Turkish II													
h	M1	70	60	1352	19	88.98	88.38	1335	19	98.74	100.00	Yeterli ✓ / Sufficient ✓	100.00
j	M1	70	60	1352	19	88.98	88.38	1335	19	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	k
CHEM 101	64.96	64.96	90.13	90.13	90.13	90.13	90.13				
CHEM 120								97.7	97.7	97.7	
CHEM 211	81.4						75.73				
CHEM 214	83.05		78.77	78.77	78.77					78.77	
CHEM 231	51.11										
CHEM 235					73.44				65.6		
CHEM 320			84.39		84.39	84.39					
CHEM 323	70.78	70.78									
CHEM 327	72.41	65.52									
CHEM 341	62.83							62.83			
CHEM 450	52.67	52.67					92.27				
CHEM 461	67.36						80.48	100	81.24	100	
COMD 358										100	
CS 115			95.65	95.65			95.65				
ENG 101							100			100	
ENG 102										100	
GE 100											100
GE 251											93.33
HIST 200								100			
HUM 111										100	
MATH 101		74.19	74.19							74.19	
MATH 102		50	50							50	
MATH 225		50					50				
MBG 110								100	100		
PHYS 101		92.59	92.59			92.59		92.59		92.59	
TURK 101										100	
TURK 102										100	

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

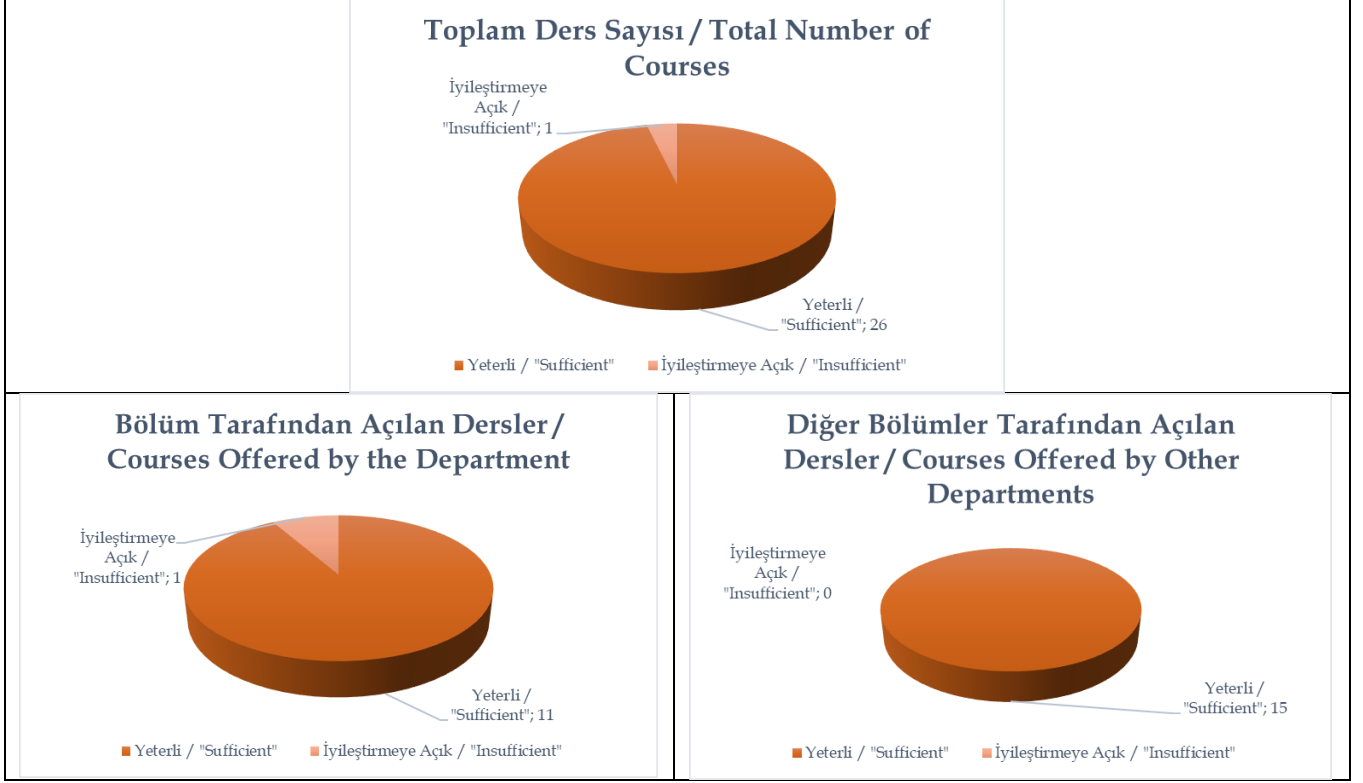
4.3.1.2. 2025-2026 Akademik Yılı Bahar Dönemi için / For 2025-2026 Academic Year Spring Semester;

Dersler / Courses	Program Çıktıları / Program Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CHEM 101	83.33	50.00	50.00	50.00	50.00	50.00	50.00				
CHEM 102	84.00	80.00	100.00	100.00	100.00	100.00		84.00	100.00	100.00	
CHEM 212	63.89			63.89							
CHEM 213	90.91		100.00	100.00	100.00					100.00	
CHEM 232	52.50						52.50	52.50			
CHEM 236	75.00		100.00	100.00	81.46	100.00	100.00	100.00	100.00	100.00	
CHEM 324	73.91	60.87	100.00	100.00	100.00		100.00		100.00		
CHEM 328	32.14	32.14							32.14	32.14	
CHEM 340	100.00		100.00	100.00	100.00	100.00	100.00	100.00		100.00	
CHEM 342	65.00	65.00						65.00			
CHEM 422	46.43	46.43									
COMD 358										100.00	
CS 115			100.00	100.00			100.00				
ENG 101							100.00			100.00	
ENG 102										100.00	
GE 100											100.00
GE 251											93.25
HIST 200								96.00		96.00	
HUM 111								100.00		100.00	
HUM 112								95.00		95.00	
MATH 101		55.56	55.56							55.56	
MATH 102		59.09	59.09							59.09	
MATH 225		88.00					88.00				
MBG 110								100.00	100.00		
PHYS 101		57.14	57.14			57.14		57.14		57.14	
PHYS 102		83.33	83.33			83.33		83.33		83.33	
TURK 101								100.00		100.00	
TURK 102								100.00		100.00	

Tablo.4.3.1.2. 2025-2026 Akademik Yılı Bahar Dönemi Kimya Lisans Programı Program Çıktıları Performans Tablosu / Table.4.3.1.2. 2025-2026 Academic Year Spring Semester Chemistry 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;

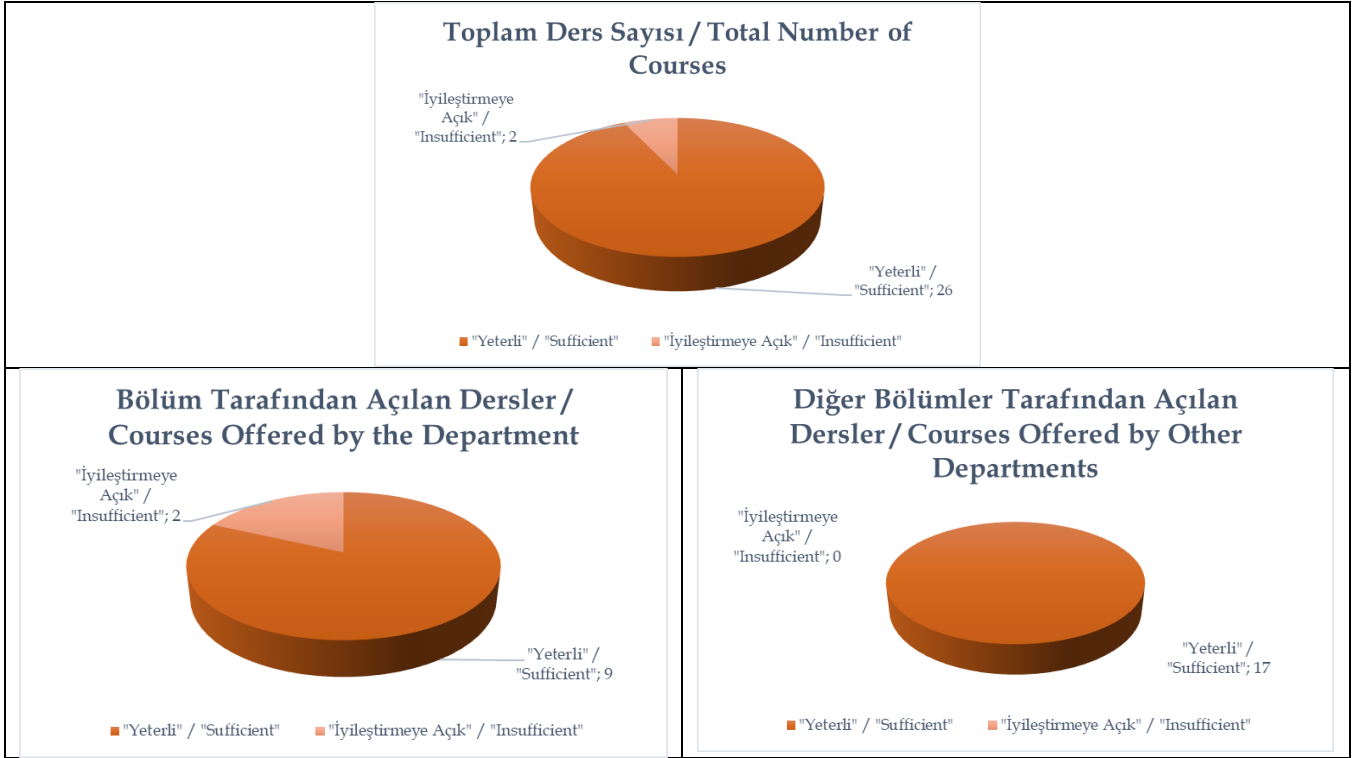


Tablo.4.3.2.1. 2025-2026 Akademik Yılı Güz Dönemi Kimya Lisans Programı Program Çıktıları Performans Analizleri Tablosu (Dersler için) / **Table.4.3.2.1.** 2025-2026 Academic Year Fall Semester Chemistry Undergraduate Program - Program Outcomes Performance Analysis Table (For Courses)



CHEM 450 için a ve b program çıktılarında yeterlilik kriteri sağlanamamıştır.
/ The qualification criteria for CHEM 450, program outcomes a and b were insufficient.

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

	CHEM 328 için a, b, i ve j program çıktılarında; CHEM 422 için a ve b program çıktılarında yeterlilik kriteri sağlanamamıştır. / The qualification criteria for for CHEM 328, program outcomes a, b, i and j; for CHEM 422, a and b program outcomes were insufficient.
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5. DEĞERLENDİRME / EVALUATION

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

The following courses are open to improvement for the 2025-2026 academic year:

- Fall Semester: CHEM 450 (a, b)
- Spring Semester: CHEM 328 (a, b, i, j) CHEM 422 (a, b)

It was determined that the targeted threshold levels were insufficient in the CHEM 328, CHEM 422, and CHEM 450 courses, and a similar trend was observed in previous evaluation periods. This indicates that students are struggling, particularly in courses requiring a strong mathematical background. To address this issue, additional support mechanisms and supplementary programs are being planned in collaboration with the Teaching and Learning Support Center. Simultaneously, work has begun on making some adjustments to the curriculum and reviewing the course plan to distribute the students' workload more evenly and facilitate their progress within the program.

5.2. EĞİTİM AMAÇLARININ DEĞERLENDİRİLMESİ / EVALUATION OF EDUCATIONAL OBJECTIVES

The Chemistry Department's Advisory Board meeting was held online. Representing the department were the Chair of Department, Prof. Dr. Burak Ülgüt, and the department's quality members Prof. Dr. Emrah Özensoy and Dr. Fahri Alkan. Advisory Board Members Dr. Kerem Emre Ercan (Roketsan), Assoc. Prof. Dr. Safacan Kölemen (Koç University), Dr. Hacı Osman Güvenç (BASF SE, Germany), Dr. Özlem Köylü Alkan (KROHNE Turkey), Dr. Cüneyt Karakaya (Surrey H2, UK), and Dr. Mohammed Ahmed Zabara (University of Cambridge) also participated. The following topics were highlighted at the meeting:

- It was assessed that artificial intelligence, data analysis, and computational methods are rapidly increasing in importance in chemistry research and industrial applications, and therefore, it would be beneficial for students to gain competence in these areas in addition to their basic chemistry knowledge.
- It was emphasized that awareness should be increased regarding the effective and ethical use of artificial intelligence tools in chemistry education, and that it is important to protect students' academic integrity, critical thinking, and independent problem-solving skills.
- It was stated that in order for graduates to play a more effective role in industry, it would be beneficial to develop their interdisciplinary competencies, especially by including applications in the curriculum that support interaction with data analysis, basic programming, simulation, and engineering disciplines.