

2025-2026 AKADEMİK  
YILI / Academic Year

# EĞİTİMDE KALİTE GÜVENCESİ GÜZ DÖNEMİ RAPORU

*QUALITY ASSURANCE IN  
EDUCATION FALL SEMESTER  
REPORT*

**FEN FAKÜLTESİ**  
*FACULTY OF SCIENCE*

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



## **İÇİNDEKİLER / CONTENTS**

<b>1. LİSANS PROGRAMI / UNDERGRADUATE PROGRAM</b> .....	2
<b>1.1. MÜFREDAT / CURRICULUM</b> .....	2
<b>2. PROGRAM ÇIKTILARI / PROGRAM OUTCOMES</b> .....	4
<b>2.1. PROGRAM ÇIKTILARININ LİSTESİ / LIST OF PROGRAM OUTCOMES</b> .....	4
<b>2.2. PROGRAM ÇIKTILARI – DERSLER MATRİSİ / PROGRAM OUTCOMES - COURSES TABLE</b> .....	4
<b>3. PERFORMANS ÖLÇÜMLERİNDE KULLANILACAK METRİKLER / METRICS TO BE USED IN PERFORMANCE MEASUREMENT</b> .....	7
<b>3.1. PERFORMANS ÖLÇÜMLERİNDE KULLANILACAK DEĞERLENDİRME METOTLARI / EVALUATION METHODS USED IN PERFORMANCE MEASUREMENTS</b> 7	
<b>3.2. PERFORMANS ÖLÇÜMLERİNDE KULLANILAN METOTLAR VE PERFORMANS SONUÇ DETAYLARI / METHODS USED IN PERFORMANCE MEASUREMENTS AND PERFORMANCE RESULT DETAILS</b> .....	15
<b>3.3. PERFORMANS ÖLÇÜM SONUÇLARI / PERFORMANCE MEASUREMENT RESULTS</b> .....	20
<b>3.3.1. PROGRAM ÇIKTILARI PERFORMANS TABLOSU / PROGRAM OUTCOMES PERFORMANCE TABLE</b> .....	20
<b>3.3.2. PROGRAM ÇIKTILARI PERFORMANS ORANLARI / PROGRAM OUTCOMES PERFORMANCE RATES</b> .....	21

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

**1. LİSANS PROGRAMI / UNDERGRADUATE PROGRAM**  
**1.1. MÜFREDAT / CURRICULUM**

Birinci Yıl / First Year					
Güz Dönemi / Fall Semester					
Ders Kod / Course Code	Ders Adı / Course Name	Saatler / Hours		Kredi / Credits	
		Ders / Lecture	Lab / Stüdyo / Diğer / Lab / Studio / Others	Bilkent	ECTS
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	

## 2. PROGRAM ÇIKTILARI / PROGRAM OUTCOMES

### 2.1. PROGRAM ÇIKTILARININ LİSTESİ / LIST OF PROGRAM OUTCOMES

- Kimya temel disiplinlerinde yetkinlik gösterir. / Demonstrate competence in the fundamental disciplines of chemistry.
- Kimya alanındaki problemleri çözmek için yüksek matematik ve ileri fizik uygulamalarını kullanır. / Apply higher mathematics and advanced physics for solving chemical problems.
- Kimyasal deneyler tasarlar, uygular ve sonuçlarını analiz eder. / Design and perform chemical experiments and to analyze the results.
- Kimyasal deney yaparken geleneksel ve modern ekipmanları / cihazları kullanır. / Use traditional and modern instrumentation for chemical experimentation.
- Kimyasalları güvenli ve sorumlu bir şekilde kullanır. / Handle chemicals safely and responsibly.
- Araştırma sonuçlarını objektif ve dürüst bir şekilde raporlandırır. / Report research results objectively and honestly.
- Araştırma yapmak için bilgisayar ve veri işleme teknolojisini kullanır. / Employ computers and data processing technology for research.
- 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.*

## 2.2. PROGRAM ÇIKTILARI - DERSLER MATRİSİ / PROGRAM OUTCOMES - COURSES TABLE

Dersler / Courses	Program Çıktıları / Program Outcomes											Dersler / Courses	Program Çıktıları / Program Outcomes										
	a	b	c	d	e	f	g	h	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.2.2.** Kimya Lisans Programı - Program Çıktıları ve Dersler Tablosu / **Table.2.2.** Chemistry Undergraduate Program - Program Outcomes and Courses Table

### 3. PERFORMANS ÖLÇÜMLERİNDE KULLANILACAK METRİKLER / *METRICS TO BE USED IN PERFORMANCE MEASUREMENT*

#### 3.1. PERFORMANS ÖLÇÜMLERİNDE KULLANILACAK DEĞERLENDİRME METOTLARI // *EVAULATION METHODS USED IN PERFORMANCE MEASUREMENTS*

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	Papers(s)/Reports	Final:Essay / written	In-class participation	
CHEM 235	e	7	7	7	7	7	7	7	7	7	7	7	30	
		<b>Total Contribution</b>	<b>Qualification Calculation Method</b>	<b>(Average) Qualification Grade</b>										
		100	M3	40										
	<b>Program Outputs</b>	<b>Papers(s)/Reports</b>	<b>Papers(s)/Reports</b>	<b>Papers(s)/Reports</b>	<b>Papers(s)/Reports</b>	<b>Papers(s)/Reports</b>	<b>Papers(s)/Reports</b>	<b>Papers(s)/Reports</b>	<b>Papers(s)/Reports</b>	<b>Papers(s)/Reports</b>	<b>Papers(s)/Reports</b>	<b>Papers(s)/Reports</b>	<b>Final:Essay / written</b>	<b>Total Contribution</b>
	i	10	10	10	10	10	10	10	10	10	10	10	10	100
<b>Qualification Calculation Method</b>		<b>(Average) Qualification Grade</b>												
		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					
	<b>Program Outputs</b>	<b>Lab work</b>	<b>Lab work</b>	<b>Lab work</b>	<b>Lab work</b>	<b>Lab work</b>	<b>Total Contribution</b>	<b>Qualification Calculation Method</b>	<b>(Average) Qualification Grade</b>					
	e	20	20	20	20	20	100	M3	70					
	<b>Program Outputs</b>	<b>Lab work</b>	<b>Lab work</b>	<b>Lab work</b>	<b>Lab work</b>	<b>Lab work</b>	<b>Total Contribution</b>	<b>Qualification Calculation Method</b>	<b>(Average) Qualification Grade</b>					
	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						
	<b>Program Outputs</b>	<b>Quiz</b>	<b>Quiz</b>	<b>Midterm</b>	<b>Final</b>	<b>Total Contribution</b>	<b>Qualification Calculation Method</b>	<b>(Average) Qualification Grade</b>						
	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		
		<b>Quiz</b>	<b>Quiz</b>	<b>Total Contribution</b>	<b>Qualification Calculation Method</b>	<b>(Average) Qualification Grade</b>	<b>Qualification Threshold (%)</b>							
		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	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*

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

Program Çıktısı/ Program Outcome	Yeterlilik Hesaplama Yöntemi/ Method	(Ortalama) Yeterlilik Notu / Minimum Successful Grade	Yeterlilik Eşiği (%) / Threshold Percentage (%)	Toplam Öğrenci Sayısı / Number of Students (All)	Toplam Dept. Öğrenci Sayısı / Number of Students (Dept.)	Tüm Öğrenci Ort. / Average (All Std.)	Dept. Öğrenci Ort. / Average (Dept. Std.)	Yeterliliği Sağlayan Öğrenci Sayısı (Toplam) / Number of Succ. Students (All)	Yeterliliği Sağlayan Öğrenci Sayısı (Dept.) / Number of Succ. Students (Dept.)	Yeterlilik Oranı (Toplam Öğrenci) / Success Ratio (All)	Yeterlilik Oranı (Bölüm Öğrenci) / Success Ratio (Dept.)	Performans / Performance	Yeterlilik Oranı / Success Ratio
<b>CHEM 101 - Kimyanın Temelleri I / CHEM 101 - Principles of Chemistry I</b>													
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
<b>CHEM 120 - Kimya Öğrencileri İçin Üniversite Hayatına Giriş / CHEM 120 - Orientation for Chemistry Majors</b>													
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
<b>CHEM 211 - Analitik Kimya I / CHEM 211 - Analytical Chemistry I</b>													
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
<b>CHEM 214 - Analitik Kimya Laboratuvarı II / CHEM 214 - Analytical Chemistry Laboratory II</b>													
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
<b>CHEM 231 - Organik Kimya I / CHEM 231 - Organic Chemistry I</b>													
a	M1	50	50	47	45	54.28	54.85	23	23	48.94	51.11	Yeterli ✓ / Sufficient ✓	51.11
<b>CHEM 235 - Organik Kimya Laboratuvarı I / CHEM 235 - Organic Chemistry Laboratory I</b>													
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
<b>CHEM 320 - Fizikokimya Laboratuvarı / CHEM 320 - Physical Chemistry Laboratory</b>													
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
<b>CHEM 323 - Fizikokimya I / CHEM 323 - Physical Chemistry I</b>													
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
<b>CHEM 327 - Kuantum Kimyası I / CHEM 327 - Quantum Chemistry I</b>													
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
<b>CHEM 341 - Anorganik Kimya I / CHEM 341 - Inorganic Chemistry I</b>													
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
<b>CHEM 450 - Uygulamalı Kuantum Kimyası / CHEM 450 - Applied Quantum Chemistry</b>													
a	M3	70		26	26	52.67	52.67	5	5	19.23	19.23	İyileştirmeye Açık! / Insufficient!	52.67
b	M3	70		26	26	52.67	52.67	5	5	19.23	19.23	İyileştirmeye Açık! / Insufficient!	52.67
g	M3	70		26	26	92.27	92.27	26	26	100	100	Yeterli ✓ / Sufficient ✓	92.27
<b>CHEM 461 - Biyokimyanın Temelleri / CHEM 461 - Fundamentals of Biochemistry</b>													
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
<b>COMD 358 - Profesyonel İletişim / COMD 358 - Professional Communication</b>													
j	M1	60	70	488	20	85.55	89.08	487	20	99.8	100	Yeterli ✓ / Sufficient ✓	100
<b>CS 115 - Python ile Programlamaya Giriş / CS 115 - Introduction to Programming in Python</b>													
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
<b>ENG 101 - İngilizce ve Kompozisyon I / ENG 101 - English and Composition I</b>													
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
<b>ENG 102 - İngilizce ve Kompozisyon II / ENG 102 - English and Composition II</b>													
j	M1	70	75	535	7	86.02	88.2	521	7	97.38	100	Yeterli ✓ / Sufficient ✓	100
<b>GE 100 - Üniversite Hayatına Giriş / GE 100 - Orientation</b>													
k	M1	12	80	1518	17	96.71	99.12	1518	17	100	100	Yeterli ✓ / Sufficient ✓	100
<b>GE 251 - Üniversite Etkinlik Programı II / GE 251 - Collegiate Activities Program II</b>													
k	M1	100	70	889	15	92.49	99.67	585	14	65.8	93.33	Yeterli ✓ / Sufficient ✓	93.33
<b>HIST 200 - Türkiye Tarihi / HIST 200 - History of Turkey</b>													
h	M1	70	75	1022	8	91.01	94.82	1006	8	98.43	100	Yeterli ✓ / Sufficient ✓	100
<b>HUM 111 - Kültürler, Medeniyetler ve Düşünceler I / HUM 111 - Cultures Civilizations and Ideas I</b>													
j	M1	60	75	1273	13	83.63	82.49	1262	13	99.14	100	Yeterli ✓ / Sufficient ✓	100
<b>MATH 101 - Matematik I / MATH 101 - Calculus I</b>													
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
<b>MATH 102 - Matematik II / MATH 102 - Calculus II</b>													
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
<b>MATH 225 - Doğrusal Cebir ve Türevsel Denklemler / MATH 225 - Linear Algebra and Differential Equations</b>													
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
<b>MBG 110 - Modern Biyolojiye Giriş / MBG 110 - Introduction to Modern Biology</b>													
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
<b>PHYS 101 - Genel Fizik I / PHYS 101 - General Physics I</b>													
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
<b>TURK 101 - Türkçe I / TURK 101 - Turkish I</b>													
j	M1	70	60	1373	16	87.67	91.38	1347	16	98.11	100	Yeterli ✓ / Sufficient ✓	100
<b>TURK 102 - Türkçe II / TURK 102 - Turkish II</b>													
j	M1	70	60	592	10	88.83	89.8	588	10	99.32	100	Yeterli ✓ / Sufficient ✓	100

### 3.3. PERFORMANS ÖLÇÜM SONUÇLARI / PERFORMANCE MEASUREMENT RESULTS

#### 3.3.1. PROGRAM ÇIKTILARI PERFORMANS TABLOSU / PROGRAM OUTCOMES PERFORMANCE TABLE

Dersler / Courses	Program Çıktıları / Program Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CHEM 101	✓	✓	✓	✓	✓	✓	✓				
CHEM 120								✓	✓	✓	
CHEM 211	✓						✓				
CHEM 214	✓		✓	✓	✓					✓	
CHEM 231	✓										
CHEM 235					✓				✓		
CHEM 320			✓		✓	✓					
CHEM 323	✓	✓									
CHEM 327	✓	✓									
CHEM 341	✓							✓			
CHEM 450	X	X					✓				
CHEM 461	✓						✓	✓	✓	✓	
COMD 358										✓	
CS 115			✓	✓			✓				
ENG 101							✓			✓	
ENG 102										✓	
GE 100											✓
GE 251											✓
HIST 200								✓			
HUM 111										✓	
MATH 101		✓	✓							✓	
MATH 102		✓	✓							✓	
MATH 225		✓					✓				
MBG 110								✓	✓		
PHYS 101		✓	✓			✓		✓		✓	
TURK 101										✓	
TURK 102										✓	

**Tablo.3.3.1.** 2025-2026 Akademik Yılı Güz Dönemi Kimya Lisans Programı Program Çıktıları Performans Tablosu / *Table.3.3.1. 2025-2026 Academic Year Fall Chemistry Undergraduate Program - Program Outcomes Performance Table*

3.3.2. PROGRAM ÇIKTILARI PERFORMANS ORANLARI / PROGRAM OUTCOMES PERFORMANCE RATES

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.3.3.2. 2025-2026 Akademik Yılı Güz Dönemi Kimya Lisans Programı Program Çıktıları Performans Oranları Tablosu / Table.3.3.2. 2025-2026 Academic Year Fall Semester Chemistry Undergraduate Program - Program Outcomes Performance Rates Table