

1. YARIYIL DERSLERİ						
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	AKTS
TBT181	Temel Bilgisayar Teknolojileri Kullanımı	YÖK Zorunlu Ortak Ders	1	2	0	2
TUR181	Türk Dili I	YÖK Zorunlu Ortak Ders	2	0	0	2
YDL183	Yabancı Dil I	YÖK Zorunlu Ortak Ders	2	0	0	2
FIZ185	Genel Fizik I	Zorunlu Ders	4	0	0	4
FIZ189	Fizik Lab. I	Zorunlu Ders	0	3	0	1,5
KIM103	Laboratuvar Tekniği ve Güvenliği	Zorunlu Ders	2	0	0	2
KIM115	Genel Kimya I	Zorunlu Ders	4	2	0	5
KIM117	Genel Kimya Lab. I	Zorunlu Ders	0	4	0	2
MAT189	Matematik I	Zorunlu Ders	4	0	0	4
Toplam AKTS:						30
2. YARIYIL DERSLERİ						
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	AKTS
TBT182	Temel Bilgisayar Bilimleri	YÖK Zorunlu Ortak Ders	2	2	0	3
TUR182	Türk Dili II	YÖK Zorunlu Ortak Ders	2	0	0	2
YDL184	Yabancı Dil II	YÖK Zorunlu Ortak Ders	2	0	0	2
FIZ186	Genel Fizik II	Zorunlu Ders	4	0	0	4
FIZ190	Fizik Lab. II	Zorunlu Ders	0	3	0	1,5
KIM118	Genel Kimya Lab. II	Zorunlu Ders	0	4	0	2
KIM146	Genel Kimya II	Zorunlu Ders	4	2	0	5
KIM182	Bilim Tarihi	Zorunlu Ders	2	0	0	2
MAT188	Matematik II	Zorunlu Ders	4	0	0	4
Toplam AKTS:						30
3. YARIYIL DERSLERİ						
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	AKTS
AIT281	Atatürk İlkeleri ve İnkılap Tarihi I	Zorunlu Ders	2	0	0	2
KIM211	Anorganik Kimya I	Zorunlu Ders	4	2	0	5
KIM213	Anorganik Kimya Lab. I	Zorunlu Ders	0	5	0	2,5
KIM225	Analitik Kimya I	Zorunlu Ders	4	2	0	5
KIM227	Analitik Kimya Lab. I	Zorunlu Ders	0	5	0	2,5
-	Seçmeli Ders	-	-	-	-	2
-	Seçmeli Ders II	-	-	-	-	3
Toplam AKTS:						30
3. YARIYIL (Seçmeli Ders)						
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	AKTS
KIM285	Yabancı Dilde Okuma ve Konuşma	Seçmeli Ders	2	0	0	2
KIM287	Kimya Teknolojileri	Seçmeli Ders	2	0	0	2
SOS281	Değerler Eğitimi	Seçmeli Ders	2	0	0	2
3. YARIYIL (Seçmeli Ders II)						
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	AKTS
KIM229	Çevre Kimyası I	Seçmeli Ders II	3	0	0	3
KIM289	İlaç Kimyası	Seçmeli Ders II	3	0	0	3
4. YARIYIL DERSLERİ						
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	AKTS
AIT282	Atatürk İlkeleri ve İnkılap Tarihi II	Zorunlu Ders	2	0	0	2
KIM216	Anorganik Kimya II	Zorunlu Ders	4	2	0	5
KIM218	Anorganik Kimya Lab. II	Zorunlu Ders	0	5	0	2,5
KIM222	Organik Kimyaya Giriş	Zorunlu Ders	2	0	0	2
KIM226	Analitik Kimya II	Zorunlu Ders	4	2	0	5
KIM228	Analitik Kimya Lab. II	Zorunlu Ders	0	5	0	2,5
-	Seçmeli Ders	-	-	-	-	3
-	Seçmeli Ders II	-	-	-	-	2
Toplam AKTS:						30
4. YARIYIL (Seçmeli Ders)						
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	AKTS
KIM220	Çevre Kimyası II	Seçmeli Ders	3	0	0	3
KIM290	Analitik Ayırma Yöntemleri	Seçmeli Ders	3	0	0	3
4. YARIYIL (Seçmeli Ders II)						
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	AKTS
KIM286	Mesleki Yabancı Dil I	Seçmeli Ders II	2	0	0	2
KIM288	Besin Kimyası	Seçmeli Ders II	2	0	0	2
5. YARIYIL DERSLERİ						
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	AKTS
KIM331	Organik Kimya I	Zorunlu Ders	4	2	0	5
KIM335	Organik Kimya Lab. I	Zorunlu Ders	0	5	0	2,5
KIM341	Fizikokimya I	Zorunlu Ders	4	2	0	5
KIM343	Fizikokimya Lab. I	Zorunlu Ders	0	5	0	2,5
-	Seçmeli Ders	-	-	-	-	2
-	Seçmeli Ders II	-	-	-	-	4
Toplam AKTS:						30
5. YARIYIL (Seçmeli Ders)						
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	AKTS
KIM381	Mesleki Yabancı Dil II	Seçmeli Ders	2	0	0	2
KIM385	İş Sağlığı ve Güvenliği	Seçmeli Ders	2	0	0	2
KIM387	Anorganik Kimyasal Teknolojisi	Seçmeli Ders	2	0	0	2
5. YARIYIL (Seçmeli Ders II)						
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	AKTS
KIM345	Polymer Kimyası I	Seçmeli Ders II	4	0	0	4
KIM389	Kalitatif Organik Analiz	Seçmeli Ders II	4	0	0	4
6. YARIYIL DERSLERİ						
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	AKTS
KIM342	Organik Kimya II	Zorunlu Ders	4	2	0	5
KIM346	Organik Kimya Lab. II	Zorunlu Ders	0	5	0	2,5
KIM352	Fizikokimya II	Zorunlu Ders	4	2	0	5
KIM354	Fizikokimya Lab. II	Zorunlu Ders	0	5	0	2,5
-	Seçmeli Ders	-	-	-	-	4
-	Seçmeli Ders II	-	-	-	-	2
Toplam AKTS:						30
6. YARIYIL (Seçmeli Ders)						
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	AKTS
KIM348	Polymer Kimyası II	Seçmeli Ders	4	0	0	4
KIM350	Organik Kimyada Spektroskopik Yöntemler	Seçmeli Ders	4	0	0	4

1. SEMESTER COURSES						
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	ECTS
TBT181	Usage of Basic Computer Technologies	Common Compulsory	1	2	0	2
TUR181	Turkish Language I	Common Compulsory	2	0	0	2
YDL183	Foreign Language I	Common Compulsory	2	0	0	2
FIZ185	General Physics I	Compulsory	4	0	0	4
FIZ189	Physics Lab. I	Compulsory	0	3	0	1,5
KIM103	LABORATORY TECHNIQUE AND SAFETY	Compulsory	2	0	0	2
KIM115	GENERAL CHEMISTRY I	Compulsory	4	2	0	5
KIM117	General Chemistry Lab. I	Compulsory	0	4	0	2
MAT189	MATHEMATICS I	Compulsory	4	0	0	4
Total ECTS:						30
2. SEMESTER COURSES						
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	ECTS
TBT182	Basic Computer Sciences	Common Compulsory	2	2	0	3
TUR182	Turkish Language II	Common Compulsory	2	0	0	2
YDL184	Foreign Language II	Common Compulsory	2	0	0	2
FIZ186	General Physics II	Compulsory	4	0	0	4
FIZ190	Physics Lab. II	Compulsory	0	3	0	1,5
KIM118	General Chemistry Lab. II	Compulsory	0	4	0	2
KIM146	GENERAL CHEMISTRY II	Compulsory	4	2	0	5
KIM182	HISTORY OF SCIENCE	Compulsory	2	0	0	2
MAT188	Mathematics II	Compulsory	4	0	0	4
Total ECTS:						30
3. SEMESTER COURSES						
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	ECTS
AIT281	Ataturk's Principles and History of Turkish Revolution I	Compulsory	2	0	0	2
KIM211	Inorganic Chemistry I	Compulsory	4	2	0	5
KIM213	Inorganic Chemistry Lab. I	Compulsory	0	5	0	2,5
KIM225	ANALYTICAL CHEMISTRY I	Compulsory	4	2	0	5
KIM227	Analytical Chemistry Lab. I	Compulsory	0	5	0	2,5
-	Elective	-	-	-	-	2
-	Elective Course II	-	-	-	-	3
Total ECTS:						30
3. SEMESTER (Elective)						
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	ECTS
KIM285	Reading & Speaking In Foreign Language	Elective	2	0	0	2
KIM287	Chemistry Technologies	Elective	2	0	0	2
SOS281	Values Education	Elective	2	0	0	2
3. SEMESTER (Elective Course II)						
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	ECTS
KIM229	ENVIRONMENTAL CHEMISTRY I	Elective Course II	3	0	0	3
KIM289	Pharmaceutical chemistry	Elective Course II	3	0	0	3
4. SEMESTER COURSES						
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	ECTS
AIT282	Ataturk's Principles and History of Turkish Revolution II	Compulsory	2	0	0	2
KIM216	Inorganic Chemistry II	Compulsory	4	2	0	5
KIM218	Inorganic Chemistry Lab. II	Compulsory	0	5	0	2,5
KIM222	INTRODUCTION TO ORGANIC CHEMISTRY	Compulsory	2	0	0	2
KIM226	ANALYTICAL CHEMISTRY II	Compulsory	4	2	0	5
KIM228	Analytical Chemistry Lab. II	Compulsory	0	5	0	2,5
-	Elective	-	-	-	-	3
-	Elective Course II	-	-	-	-	2
Total ECTS:						30
4. SEMESTER (Elective)						
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	ECTS
KIM220	ENVIRONMENTAL CHEMISTRY II	Elective	3	0	0	3
KIM290	Analytical Separation Methods	Elective	3	0	0	3
4. SEMESTER (Elective Course II)						
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	ECTS
KIM286	Foreign Language For Profession I	Elective Course II	2	0	0	2
KIM288	Food Chemistry	Elective Course II	2	0	0	2
5. SEMESTER COURSES						
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	ECTS
KIM331	ORGANIC CHEMISTRY I	Compulsory	4	2	0	5
KIM335	ORGANIC CHEMISTRY LAB. I	Compulsory	0	5	0	2,5
KIM341	PHYSICAL CHEMISTRY	Compulsory	4	2	0	5
KIM343	PHYSICAL CHEMISTRY LAB. I	Compulsory	0	5	0	2,5
-	Elective	-	-	-	-	2
-	Elective Course II	-	-	-	-	4
Total ECTS:						30
5. SEMESTER (Elective)						
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	ECTS
KIM381	Foreign Language For Profession II	Elective	2	0	0	2
KIM385	OCCUPATIONAL HEALTH AND SAFETY	Elective	2	0	0	2
KIM387	Inorganic Chemical Technology	Elective	2	0	0	2
5. SEMESTER (Elective Course II)						
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	ECTS
KIM345	POLYMER CHEMISTRY I	Elective Course II	4	0	0	4
KIM389	Qualitative Organic Analysis	Elective Course II	4	0	0	4
6. SEMESTER COURSES						
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	ECTS
KIM342	Organic Chemistry II	Compulsory	4	2	0	5
KIM346	Organic Chemistry Lab. II	Compulsory	0	5	0	2,5
KIM352	Physical Chemistry II	Compulsory	4	2	0	5
KIM354	PHYSICAL CHEMISTRY LAB. II	Compulsory	0	5	0	2,5
-	Elective	-	-	-	-	4
-	Elective Course II	-	-	-	-	2
Total ECTS:						30
6. SEMESTER (Elective)						
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	ECTS
KIM348	POLYMER CHEMISTRY II	Elective	4	0	0	4
KIM350	Spectroscopic Methods In Organic Chemistry	Elective	4	0	0	4

6. YARIYIL (Seçmeli Ders II)							
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	KREDİ	AKTS
KIM432	Iş Hayatı İçin Yabancı Dil	Seçmeli Ders II	2	0	0	2	2
KIM436	Tekstil ve Boyar Maddeler Kimyası	Seçmeli Ders II	2	0	0	2	2
7. YARIYIL DERSLERİ							
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	KREDİ	AKTS
KIM401	Biyo kimya I	Zorunlu Ders	4	0	0	4	4
KIM403	Biyo kimya Lab I	Zorunlu Ders	0	4	0	2	3
KIM411	Endüstriyel Kimya I	Zorunlu Ders	4	0	0	4	4
KIM413	Endüstriyel Kimya Lab.	Zorunlu Ders	0	4	0	2	3
KIM415	Kimya Araştırma Proesi I	Zorunlu Ders	0	2	0	1	2
-	Seçmeli Ders	-	-	-	-	-	4
-	Seçmeli Ders	-	-	-	-	-	4
-	Seçmeli Ders II	-	-	-	-	-	6
Toplam AKTS:							30
7. YARIYIL (Seçmeli Ders)							
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	KREDİ	AKTS
KIM441	Koordinasyon Kimyası	Seçmeli Ders	4	0	0	4	4
KIM443	Seramik Kimyası	Seçmeli Ders	4	0	0	4	4
KIM451	Kolloid Kimyası	Seçmeli Ders	4	0	0	4	4
KIM455	Malzeme Kimyası	Seçmeli Ders	4	0	0	4	4
KIM461	Organik Reaksiyon Mekanizmasına Giriş	Seçmeli Ders	4	0	0	4	4
KIM467	Yüzey Aktif Maddeler	Seçmeli Ders	4	0	0	4	4
7. YARIYIL (Seçmeli Ders II)							
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	KREDİ	AKTS
KIM431	Enstrümental Analiz	Seçmeli Ders II	2	2	0	3	6
KIM437	Yakıt Kimyası ve Teknolojisi	Seçmeli Ders II	2	2	0	3	6
8. YARIYIL DERSLERİ							
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	KREDİ	AKTS
KIM402	Biyo kimya II	Zorunlu Ders	4	0	0	4	6
KIM404	Biyo kimya Lab II	Zorunlu Ders	0	4	0	2	3
KIM412	Endüstriyel Kimya II	Zorunlu Ders	4	0	0	4	5
KIM414	Kimya Araştırma Proesi II	Zorunlu Ders	0	2	0	1	2
-	Seçmeli Ders	-	-	-	-	-	4
-	Seçmeli Ders	-	-	-	-	-	4
-	Seçmeli Ders II	-	-	-	-	-	6
Toplam AKTS:							30
8. YARIYIL (Seçmeli Ders)							
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	KREDİ	AKTS
KIM422	Spektroskopide Seçilmiş Konular	Seçmeli Ders	4	0	0	4	4
KIM424	Anorganik Reaksiyon Mek. Giriş	Seçmeli Ders	4	0	0	4	4
KIM426	Metal Kimyası	Seçmeli Ders	4	0	0	4	4
KIM428	Endüstriyel Stokometri	Seçmeli Ders	4	0	0	4	4
KIM430	Kimyasal Kinetik	Seçmeli Ders	4	0	0	4	4
KIM432	Elektrokimyaya Giriş	Seçmeli Ders	4	0	0	4	4
KIM434	Polimer Teknolojisi	Seçmeli Ders	4	0	0	4	4
KIM436	Heterosiklik Kimya	Seçmeli Ders	4	0	0	4	4
KIM438	Organik Kimyada Spektroskopik Yöntemler	Seçmeli Ders	4	0	0	4	4
8. YARIYIL (Seçmeli Ders II)							
DERS KODU	DERS ADI	ZORUNLU	TEORİ	UYGULAMA	LAB	KREDİ	AKTS
KIM422	Enstrümental Analiz Lab.	Seçmeli Ders II	0	4	0	2	6
KIM428	Polimer Kimya Lab.	Seçmeli Ders II	0	4	0	2	6

AKTS (Genel Toplam): 240

6. SEMESTER (Elective Course II)							
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	CREDIT	ECTS
KIM712	Foreign Language For Business Life	Elective Course II	2	0	0	2	2
KIM716	Textile and Dyestuffs Chemistry	Elective Course II	2	0	0	2	2
7. SEMESTER COURSES							
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	CREDIT	ECTS
KIM401	BIOCHEMISTRY I	Compulsory	4	0	0	4	4
KIM403	BIOCHEMISTRY LAB.I	Compulsory	0	4	0	2	3
KIM411	Industrial Chemistry I	Compulsory	4	0	0	4	4
KIM413	INDUSTRIAL CHEMISTRY LAB. I	Compulsory	0	4	0	2	3
KIM415	CHEMICAL RESEARCH PROJECT II	Compulsory	0	2	0	1	2
-	Elective	-	-	-	-	-	4
-	Elective	-	-	-	-	-	4
-	Elective Course II	-	-	-	-	-	6
Total ECTS:							30
7. SEMESTER (Elective)							
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	CREDIT	ECTS
KIM441	Coordination Chemistry	Elective	4	0	0	4	4
KIM443	Ceramic Chemistry	Elective	4	0	0	4	4
KIM451	COLLOIDS CHEMISTRY	Elective	4	0	0	4	4
KIM455	Materials Chemistry	Elective	4	0	0	4	4
KIM461	INTRODUCTION TO ORGANIC REACTION MECHANISM	Elective	4	0	0	4	4
KIM467	Surface Active Materials	Elective	4	0	0	4	4
7. SEMESTER (Elective Course II)							
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	CREDIT	ECTS
KIM431	INSTRUMENTAL ANALYSIS I	Elective Course II	2	2	0	3	6
KIM437	Fuel Chemistry and Technology	Elective Course II	2	2	0	3	6
8. SEMESTER COURSES							
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	CREDIT	ECTS
KIM402	Biochemistry II	Compulsory	4	0	0	4	6
KIM404	Biochemistry Lab. II	Compulsory	0	4	0	2	3
KIM412	Industrial Chemistry II	Compulsory	4	0	0	4	5
KIM414	Chemical Research Project II	Compulsory	0	2	0	1	2
-	Elective	-	-	-	-	-	4
-	Elective	-	-	-	-	-	4
-	Elective Course II	-	-	-	-	-	6
Total ECTS:							30
8. SEMESTER (Elective)							
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	CREDIT	ECTS
KIM422	Selected Topics in Spectroscopy	Elective	4	0	0	4	4
KIM424	Introduction to Inorganic Reaction Mechanism	Elective	4	0	0	4	4
KIM426	Metal Chemistry	Elective	4	0	0	4	4
KIM428	Industrial Stoichiometry	Elective	4	0	0	4	4
KIM430	Chemical Kinetics	Elective	4	0	0	4	4
KIM432	Introduction to Electrochemistry	Elective	4	0	0	4	4
KIM434	Polymer Technology	Elective	4	0	0	4	4
KIM436	Heterocyclic Chemistry	Elective	4	0	0	4	4
KIM438	Spectroscopic Methods in Organic Chemistry	Elective	4	0	0	4	4
8. SEMESTER (Elective Course II)							
COURSE ID	COURSE TITLE	COMPULSORY	LECTURE	PRACTICE	LAB	CREDIT	ECTS
KIM422	Instrumental Analysis Lab.	Elective Course II	0	4	0	2	6
KIM428	Polymer Chemistry Lab.	Elective Course II	0	4	0	2	6

ECTS (General Total): 240