



Kafkas Üniversitesi
FACULTY OF ENGINEERING AND ARCHITECTURE

Kimya Mühendisliği

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1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
20300AİT1012021	ATATURK'S PRINCIPLES AND REVOLUTION HISTORY-I	2+0+0	Compulsory	2
20300AMF-TRS202	TECHNICAL DRAWING	1+2+0	Compulsory	5
20300FİZ1012021	PHYSICS I	3+0+2	Compulsory	5
20300KİM1012021	GENERAL CHEMISTRY	3+0+2	Compulsory	5
20300KM-KP2021	CAREER PLANNING	1+0+0	Compulsory	2
20300KM1012021	INTRODUCTION TO CHEMICAL ENGINEERING	2+0+0	Compulsory	4
20300MAT1012021	MATHEMATICS - I	4+0+0	Compulsory	5
20300TD1012021	TURKISH LANGUAGE-I	2+0+0	Compulsory	2
20300YDB1012021	FOREIGN LANGUAGE I	2+0+0	Compulsory	2
Total ECTS				32

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
20300AİT1022021	ATATURK'S PRINCIPLES AND REVOLUTION HISTORY-II	2+0+0	Compulsory	2
20300FİZ1022021	PHYSICS-II	3+0+2	Compulsory	5
20300KM1022021	GENERAL AND INORGANIC CHEMISTRY	3+0+2	Compulsory	5
20300KM1042021	ENGINEERING MECHANICS	3+0+0	Compulsory	3
20300MAT1022021	MATHEMATICS II	4+0+0	Compulsory	5
20300MF-ELK2021	ELECTRIC AND ELECTRONIC	2+0+0	Compulsory	3
20300MF1022021	COMPUTER PROGRAMMING	1+2+0	Compulsory	3
20300TD1022021	TURKISH LANGUAGE-I	2+0+0	Compulsory	2
20300YDB1022021	FOREIGN LANGUAGE II	2+0+0	Compulsory	2
Total ECTS				30

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
20300KM2012021	ORGANIC CHEMISTRY	3+0+2	Compulsory	5
20300KM2032021	PHYSICO-CHEMISTRY	3+0+2	Compulsory	5
20300KM2052021	FUEL AND COMBUSTION TECHNOLOGY	3+0+0	Compulsory	5
20300MAT2012021	DIFFERENTIAL EQUATIONS	3+0+0	Compulsory	5
20300MF-İST2021	STATISTICS AND PROBABILITY	2+1+0	Compulsory	5
20300MF-MLZ2021	MATERIAL SCIENCE	3+0+0	Compulsory	5
Total ECTS				30

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
20300KM2022021	CHEMICAL PROCESS CALCULATIONS	3+0+0	Compulsory	5
20300KM2042021	ANALYTICAL CHEMISTRY AND INSTRUMENTAL ANALYSIS	3+0+2	Compulsory	5
20300KM2062021	CHEMICAL ENGINEERING MATHEMATICS MODEL	3+0+0	Compulsory	5
20300KM2082021	FLUID MECHANICS	4+0+0	Compulsory	5
20300KM2102017	TECHNICAL SKILL-I	0+2+0	Compulsory	2
20300MF-MAT2021	ENGINEERING MATHEMATICS	3+0+0	Compulsory	5
20300MF2042017	NUMERICAL METHODS	2+1+0	Compulsory	3
Total ECTS				30

5.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
20300KİM3012021	PROCESS CONTROL	3+0+0	Compulsory	5
20300KM3032021	HEAT TRANSFER	3+0+0	Compulsory	5
20300KM3052021	CHEMICAL REACTION ENGINEERING-I	3+0+0	Compulsory	5
20300KM3072021	COMPUTER APPLICATIONS IN CHEMICAL ENGINEERING	1+2+0	Compulsory	3
20300KM3092021	THERMODYNAMICS-I	3+0+0	Compulsory	5
20300MF-SOS2021	FACULTY SOCIAL ELECTIVE (WASTE MANAGEMENT)	2+0+0	Compulsory	3
20300KMS3012021	DEPARTMENT ELECTIVE-I	-	Elective	4
Total ECTS				30

20300KMS-302201	WATER TECHNOLOGY	3+0+0	Elective	4
20300KMS-403202	BORON CHEMISTRY	3+0+0	Elective	4

6.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
20300KM3002017	THERMODYNAMICS-II	3+0+0	Compulsory	5
20300KM3022017	MASS TRANSFER	3+0+0	Compulsory	5
20300KM3042017	CHEMICAL REACTION ENGINEERING II	3+0+0	Compulsory	5
20300KM3062017	CHEMICAL TECHNOLOGIES	4+0+0	Compulsory	5
20300KM3082021	SEPARATION PROCEDURES	3+0+0	Compulsory	5
20300KM3102017	TECHNICAL SKILL-II	0+2+0	Compulsory	2
20300MF-PRO2017	PROJECT DESIGN PRINCIPLES	1+0+0	Compulsory	1
20300KMS3022017	DEPARTMENT ELECTIVE COURSE-II	-	Elective	2
			Total ECTS	30

20300KMS4032020	BORON CHEMISTRY	3+0+0	Elective	2
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7.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
20300KM4012021	CHEMICAL ENGINEERING MAIN DESIGN ELECTIVE I	2+0+0	Compulsory	5
20300KM4032021	CHEMICAL ENGINEERING LAB I	0+0+4	Compulsory	7
20300KM4052021	FINAL PROJECT-I	0+2+0	Compulsory	5
20300MF-IGE2021	OCCUPATIONAL SAFETY AND ENGINEERING ETHICS	2+0+0	Compulsory	3
20300MF-TS2021	FACULTY TECHNICAL ELECTIVE COURSE	3+0+0	Compulsory	5
20300KMS4012021	DEPARTMENT ELECTIVE-III	-	Elective	5
			Total ECTS	30

20300KMS4012020	BASIC CHEMICAL PROCESSES	3+0+0	Elective	5
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8.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
20300KM4022017	CHEMICAL ENGINEERING MAIN DESIGN ELECTIVE II	2+0+0	Compulsory	5
20300KM4042021	CHEMICAL ENGINEERING LAB II	0+0+4	Compulsory	7
20300KM4062021	FINISHING PROJECT-II	0+2+0	Compulsory	5
20300MF-EKO2017	ENGINEERING ECONOMY	3+0+0	Compulsory	4
20300MF-ÜSS2017	UNIVERSITY SOCIAL ELECTIVE	2+0+0	Compulsory	3
20300KMS4020202	DEPARTMENT ELECTIVE-IV	-	Elective	6
20300KMS4022017	DEPARTMENT ELECTIVE-IV	-	Elective	6
			Total ECTS	36

20300KMS4022021	PHARMACEUTICAL CHEMISTRY	3+0+0	Elective	6
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