

GENERAL CHEMISTRY II

1	Course Title:	GENERAL CHEMISTRY II	
2	Course Code:	KIM1002	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	6.00	
8	Theoretical (hour/week):	4.00	
9	Practice (hour/week):	2.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	-	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. ASIM OLGUN	
15	Course Lecturers:	-Prof. Dr. Elif TÜMAY ÖZER Doç. Dr. Nevin ARIKAN ÖLMEZ	
16	Contact information of the Course Coordinator:	asimolgun@uludag.edu.tr 0 224 29 42863	
17	Website:		
18	Objective of the Course:	The aim of this course is to explain basic concepts of chemistry and help to gain basic knowledge that students will need to other courses of chemistry.	
19	Contribution of the Course to Professional Development:	Understanding the contribution of chemistry to improving the quality of human life • to develop problem solving skills and nurture curiosity, aesthetic sense and creativity.	
20	Learning Outcomes:		
		1	Learns the basic concepts of chemistry.
		2	Comments the the basic concepts of chemistry.
		3	Analyses the basic concepts of chemistry.
		4	Performs the basic concepts of chemistry in the laboratory.
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Chemical kinetics		
2	Chemical equilibrium		
3	Acids and bases		
4	Solubility and complex ion equilibrium		
5	Solubility and complex ion equilibrium		

6	Entropy and free energy	
7	Electrochemistry	
8	Repeating courses and midterm exam	
9	Main group elements	
10	Transition elements	
11	Complex ions and coordination compounds	
12	Nuclear chemistry	
13	Organic chemistry	
14	Chemistry of the living state	
22	Textbooks, References and/or Other Materials:	General Chemistry , Principles and Modern Applications. Petrucci Harwood.
23	Assesment	
TERM LEARNING ACTIVITIES		
	NUMBE R	WEIGHT
Midterm Exam	2	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Measurement and evaluation is carried out according to the priciples of Bursa Uludag University Associate and Undergraduate Education Regulation.
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	4.00	56.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	3.00	42.00
Homeworks	6	9.00	54.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	2	10.00	20.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			202.00
Total work load/ 30 hr			6.07
ECTS Credit of the Course			6.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	2	2	3	4	4	3	4	1	4	0	0	0	0	0	0
ÖK2	3	2	2	3	4	4	3	4	1	4	0	0	0	0	0	0
ÖK3	4	3	3	4	5	5	4	5	1	5	0	0	0	0	0	0
ÖK4	5	4	5	4	4	5	4	5	1	5	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			