	GENI	ERAL	CHEMISTRY II							
1	Course Title:	GENER	AL CHEMISTRY II							
2	Course Code:	KIM1032	2							
3	Type of Course:	Compuls	sory							
4	Level of Course:	First Cyc	cle							
5	Year of Study:	1								
6	Semester:	2								
7	ECTS Credits Allocated:	5.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to	face							
14	Course Coordinator:	Doç. Dr.	SUAT AKSOY							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	msaksoy@uludag.edu.tr Tel: 0 (224) 2941740 Uludağ Üniversitesi Fen-Edebiyat Fakültesi Kimya Bölümü, 16059, BURSA								
17	Website:									
18	Objective of the Course:	The purpose of this course is to teach the electronic structure of atoms, some atomic properties, chemical bonding of molecules, molecular geometry, properties of liquids and solids, intermolecular interactions, the physical properties of solutions, chemical equilibrium, and acid-base reactions								
19	Contribution of the Course to Professional Development:	With this course, the student gains some important concepts in the field of chemistry that are necessary for his professional development.								
20	Learning Outcomes:									
		1	Learn the concept of orbital and the electron configuration of the atom.							
		2	Learns the concepts of atomic radius, ionization energy and electron affinity.							
		3	Learns the concepts of Together with the theory of chemical bonding find Lewis symbol and geometry of molecules, polar and non-polar molecules.							
		4	Learns the concepts of liquid properties (surface tension, viscosity, vapor pressure), melting point, boiling point, phase diagrams, intermolecular interactions, hydrogen bonding.							
		5	Learns the concepts the type and concentration of the solution, the solubility of gases, vapor pressure and the osmotic pressure of the solution, the solution to the freezing point depression and boiling point elevation.							
		6	Learns the concepts equilibrium conditions, the equilibrium constant and equilibrium calculations.							
		7	Learns the concepts modern acid-base theories, factors affecting the strength of acids and bases, pH scale.							
		8	Learns the concepts ion concentration of weak acids and bases in aqueous solution to be calculated.							

		9				
		10				
21	Course Content:					
		C	ourse Content:			
Week	Theoretical		Practice			
1	Electronic Structure of Atoms		T Tubliou			
2	Electronic Structure of Atoms					
3	Periyodik Çizelge ve Bazı Atom öz	ellikleri				
4	Periodic table and some atomic pro					
5	Chemical Bonding I	эрстисо				
6	Chemical Bonding I (cont.)					
7	Liquids, Solids and Intermolecular	Forces				
8	Liquids, Solids and Intermolecular					
_	MIDTERM	roices				
9						
10	Solutions and Physical Properties	(acat)				
11	Solutions and Physical Properties	(cont.)				
12	Chemical Equilibrium					
13	Acids and Bases					
14	Acids and Bases (cont.)					
Activit	Activites		Number	Number Duration (hour)		
Th peg re	i ⊼9 sesment		14	2.00	28.00	
Practica	als/Labs		0	0.00	0.00	
Self stu	idy and preperation	K	14	2.00	28.00	
Homew			0	0.00	0.00	
Project	9	0	0	0.00	0.00	
Field S	work-project tudies			0.00	0.00	
Midtern	n exams	'	100.00	27.00	27.00	
Others		<u> </u>	1100 00	0.00	0.00	
Einal E	ution or renn (rear) Learning Activ Selfade	ilies to	1+0.00	40.00	40.00	
	/ork Load		1		150.00	
	ork load/ 30 hr				5.00	
	Credit of the Course		1100 00		5.00	
	ement and Evaluation Techniques		the principles of B	a evardanon are cameo o Bursa Uludağ University A ducation Regulation.	d t according to	
24	ECTS / WORK LOAD TABL	E				
25	CONTRIBUTION		RNING OUTCO	MES TO PROGRAM	ИМЕ	

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ1 PQ2 PQ3 PQ4 PQ5 PQ6 PQ7 PQ8 PQ9 PQ1 PQ11 PQ12 PQ1 PQ14 PQ15 PQ16														
ÖK1	3	1	3	4	1	3	5	1	3	4	4	5	3	3	4	2
ÖK2	3	1	3	4	1	4	3	1	3	4	3	4	3	3	4	2
ÖK3	5	1	3	5	1	4	4	1	3	4	4	4	3	2	4	3

Contrib 1 very low ution Level:			2 low		3	Medi	ium	4 High			5 Very High					
LO: Learning Objectives PQ: Program Qualifications																
ÖK8	3	1	3	4	1	3	4	1	3	4	4	5	2	3	3	4
ÖK7	4	2	3	5	1	3	5	1	3	4	5	5	4	4	3	3
ÖK6	4	3	3	5	1	4	4	1	3	4	5	5	3	3	2	3
ÖK5	4	1	3	5	1	5	5	1	3	4	4	4	2	2	3	4
ÖK4	3	1	3	4	1	5	5	1	3	4	4	4	3	2	3	3