	GEN	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 1	face						
14	Course Coordinator:	Prof. Dr.	RAHMIYE AYDIN						
15	Course Lecturers:	Yok							
16	Contact information of the Course Coordinator:	rahmiye@uludag.edu.tr Tel: 0 (224) 2941729 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 thermochemistry, 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:								
20	Learning Outcomes:								
		1	Learn the heat exchange in chemical reactions.						
		2	Learn the concept of orbital and the electron configuration of the atom.						
		3	Learns the concepts of atomic radius, ionization energy and electron affinity.						
		4	Learns the concepts of Together with the theory of chemical bonding find Lewis symbol and geometry of molecules, polar and non-polar molecules.						
		5	Learns the concepts of liquid properties (surface tension, viscosity, vapor pressure), melting point, boiling point, phase diagrams, intermolecular interactions, hydrogen bonding.						
		6	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.						
		7	Learns the concepts equilibrium conditions, the equilibrium constant and equilibrium calculations.						
		8	Learns the concepts modern acid-base theories, factors affecting the strength of acids and bases, pH scale.						
		9	Learns the concepts ion concentration of weak acids and bases in aqueous solution to be calculated.						

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21	Course Content:																		
	Co									purse Content:									
Week	Theoretical							Р	Practice										
1	Thermochemistry																		
2	Thermochemistry (cont.)																		
3	Electronic Structure of Atoms																		
4	Periodic table and some atomic properties																		
5	Chemical Bonding I																		
6	Chemical Bonding I (cont.)																		
7	Midterm I																		
8	Liquids, Solids and Intermolecular Forces																		
9	Solutions and Physical Properties																		
10	Solutions and Physical Properties (cont.)																		
11	Midterm II																		
12	Chemical Equilibrium																		
13	Acids and Bases																		
14	Acids	and	d Bas	es (co	nt.)														
22	Textb	nook	s Re	ferenc	es an	d/or O	ther		G	eneral	Chemi	strv I P	etrucci	Harwo	od Her	ring. Pal	me		
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1 101110 1	eworks								0			0.00			0.00				
Projects Field St								5/	0			0.00			0.00				
	erm exams									100.00)		54.00			
Others	Contribution of Torm (Voor) Loorning Activities to								<u> </u>	500						0.00			
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	Contribution of Final Exam to Success Grade Total Work Load								150	0.00			150.00						
Total w	Total work load/ 30 hr											5.00							
ECTS Credit of the Course								5.00											
24	ECT	S/	WOI	RK L	OAD	TAB	LE												
25				CON	TRIE	UTIC	N O				OUTC		S TO	PROC	GRAM	ME			
	Р	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16		
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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

ÖK4

Öк9	LO: Learning Object									rogram Qualifica 4 High			3 itions			
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