	GEN	ERAL	CHEMISTRY I						
1	Course Title:	GENERAL CHEMISTRY I							
2	Course Code:	KIM1031							
3	Type of Course:	Compulsory							
4	Level of Course:	First Cycle							
5	Year of Study:	1							
6	Semester:	1							
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:	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 structure and properties of matter, atom which the smallest building blocks of matter, the names of the formulas of compounds, chemical reactions and equations, properties and types of reaction occurring in aqueous solution, the properties of gases and gas laws.							
19	Professional Development:								
20	Learning Outcomes:								
		1	Learn the most basic terms of chemistry, the methods applied while doing chemical measurement and speaking of their results and can apply laboratories studies.						
		2	Describe theories of the fundamental laws of chemistry and atomic structure.						
		3	Learn to identify the characteristics and behavior of states of matter and the structure, names and formulas of compounds						
			Learn the properties and the stoichiometry of chemical reactions.						
		5	Chemical processes occurring in biological environments, learn to interpret by the basic laws of chemistry.						
		6	Investigate the developments in the field of chemistry and transfer in the field of biology.						
		7	Apply the knowledge of basic chemistry in the biology and chemistry laboratory.						
		8							
		9							
		10							
21	Course Content:								
		Co	ourse Content:						

Week	Theoretical		Practice						
1	PROPERTIES AND MEASUREMEN MATTER: The purpose of chemistry, method, properties and classification matter.	scientific							
2	PROPERTIES AND MEASUREMEN MATTER: Measurement of matter, uncertainty in the scientific method, s figures.								
3	ATOMS AND ATOMIC THEORY: the discoveries in chemistry and atomic t electrons and other discoveries in ato physics, atomic nucleus, the chemica elements, atomic masses, periodic ta entry.	heory, omic Il							
4	ATOMS AND ATOMIC THEORY: Th concept and avogadro number, using mole concept of calculations.								
5	CHEMICAL COMPOUNDS: Chemica compounds and their formulas, the m concept and chemical compounds, composition of chemical compounds.	ole							
6	CHEMICAL COMPOUNDS: Oxidatio naming chemical compounds, nomer and formulas of inorganic and organi compounds.	clature							
7	I. Midterm								
Activit	es		Number	Duration (hour)	Total Work Load (hour)				
Theore	ifasolution, determine the limiting con	nponent,	14	2.00	28.00				
	als/Labs		0	0.00	0.00				
Self stu	dy and preperation The nature of aqueous solutions, pre	cipitation	14	2.00	28.00				
Homew			0	0.00	0.00				
Project	and equalization.		0	0.00	0.00				
Field S			0	0.00	0.00				
Midtern	REACTIONS IN AQUEOUS SOLUTI	ONS:	2	27.00	54.00				
Others			0	0.00	0.00				
Final E	agents, stoichiometry of aqueous sol	utions:	1	40.00	40.00				
	/ork Load				150.00				
Total w	ork load/ 30 hr GASES: Properties of gases: the gas				5.00				
	Credit of the Course requation and its applications, the ga chemical reactions, gas mixtures.				5.00				
14	GASES: The kinetic and molecular th gases and gas properties related to t theory, the real gases.								
22	Textbooks, References and/or Other Materials:		General Chemistry I, Petrucci Harwood Herring. Palme Publishing Lecturer course notes						
23	Assesment								
TERML	EARNING ACTIVITIES	NUMBE R	WEIGHT						
Midtern	n Exam	2	50.00						
Quiz		0	0.00						

Home work-project						0		0.0	0.00							
. ,						1		_	50.00							
Total 3									100.00							
Contribution of Term (Year) Learning Activities to Success Grade									50.00							
Contribution of Final Exam to Success Grade							50	50.00								
Total							10	100.00								
Measurement and Evaluation Techniques Used in the Course							ne									
24 I	ECTS	CTS / WORK LOAD TABLE														
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	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
ÖK4	3	1	3	4	1	5	5	1	3	4	4	4	3	2	3	3
ÖK5	4	1	3	5	1	5	5	1	3	4	4	4	2	2	3	4
ÖK6	4	3	3	5	1	4	4	1	3	4	5	5	3	3	2	3
ÖK7	4	2	3	5	1	3	5	1	3	4	5	5	4	4	3	3
LO: Learning Objectives PQ: Program Qualifications																
Contrib1 very low2 lowutionLevel:				3 Medium			4 High			5 Very High						