GENERAL CHEMISTRY I										
1	Course Title:	GENERAL CHEMISTRY I								
2	Course Code:	KIM1031								
3	Type of Course:	Compuls	sory							
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, gas laws and thermochemistry.								
19	Contribution of the Course to 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							
		4	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:									
	Course Content:									

Week	Theoretical		Practice							
1	PROPERTIES AND MEASUREMEN MATTER: The purpose of chemistry, method, properties and classification matter, Measurement of matter, uncer the scientific method, significant figure	scientific of tainty in es.								
2	ATOMS AND ATOMIC THEORY: the discoveries in chemistry and atomic the electrons and other discoveries in atomic physics, atomic nucleus, the chemical elements, atomic masses, periodic talentry.	heory, omic Il								
3	ATOMS AND ATOMIC THEORY: The concept and avogadro number, using mole concept of calculations.									
4	CHEMICAL COMPOUNDS: Chemica compounds and their formulas, the m concept and chemical compounds, composition of chemical compounds.	ole								
5	CHEMICAL COMPOUNDS: Oxidation naming chemical compounds, nomen and formulas of inorganic and organic compounds.	clature								
6	CHEMICAL REACTIONS: Chemical and chemical equations, chemical eq and stoichiometry.									
7	CHEMICAL REACTIONS: Chemical I									
Activit		WWW.		Number	Duration (hour)	Total Work Load (hour)				
Theore	ipale nature of aqueous solutions, pre-	cipitation		14	2.00	28.00				
	als/Labs			0	0.00	0.00				
Self stu	dynal medipatiation			14	2.00	28.00				
Homew				0	0.00	0.00				
Project	equalization. Oxidizing agents, reduc	ing		0	0.00					
Field S				0	0.00					
Midtern 11	Titration Texams IGASES: Properties of gases: the gas			1	27.00	27.00				
Others	Loguetion and its applications, the government	oo of		0	0.00	0.00				
	equation and its applications, the gas chemical reactions, gas mixtures	SES OI	L	1	40.00	40.00				
	/ork Load					177.00				
	oraxies and odas properties related to the	nis				5.00				
ECTS (	Credit of the Course					5.00				
14	Thermochemistry									
22	Textbooks, References and/or Other Materials:		General Chemistry I, Petrucci Harwood Herring. Palme Publishing Lecturer course notes							
23	Assesment									
TERM L		NUMBE R	WEIGHT							
Midtern		1	40.00							
Quiz		0	0.00							
Home v	vork-project	0	0.00							
Final E	xam	1	60.00							

Total	2	100.00						
Contribution of Term (Year) Learning Activity Success Grade	vities to	40.00						
Contribution of Final Exam to Success Gra	ade	60.00						
Total		100.00						
Measurement and Evaluation Techniques Course	Used in the							
24 ECTS / WORK LOAD TABL	4 ECTS / 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
		l	LO: L	earr	ning (	Objec	ctive	s F	Q: P	rogra	am Qu	alifica	tions	<b>5</b>		
Contrib ution Level:	ution					3 Medium			4 High			5 Very High				