	GEN	ERAL	CHEMISTRY I							
1	Course Title:	GENER	AL 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:	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 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:	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 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							
	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								
	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, mic I								
	ATOMS AND ATOMIC THEORY: The concept and avogadro number, using mole concept of calculations.									
	CHEMICAL COMPOUNDS: Chemica compounds and their formulas, the m concept and chemical compounds, composition of chemical compounds.									
	CHEMICAL COMPOUNDS: Oxidation naming chemical compounds, nomen and formulas of inorganic and organic compounds.	clature								
	CHEMICAL REACTIONS: Chemical and chemical equations, chemical eq and stoichiometry.	uations								
	CHEMICAL REACTIONS: Chemical I		Number	Duration (hour)						
					Load (hour)					
Theore	in aqueous solutions, pre-		14	2.00	28.00					
Practica	als/Labs		0	0.00	0.00					
Self stu	dynahed patipation		14	2.00	28.00					
Homew			0	0.00	0.00					
Project	equalization. Oxidizing agents, reduc	ina	0	0.00						
Field St	tudies		0	0.00						
Midtern	Thranon Texams IGASES: Properties of cases: the case		1	27.00	27.00					
Others			0	0.00	0.00					
Final E	equation and its applications, the gas	ses of	1	40.00	40.00					
	Ichemical reactions das mixtures				150.00					
Total w	oracies and the second states and the second	nis			5.00					
ECTS C	Credit of the Course				5.00					
-	Thermochemistry									
22	Textbooks, References and/or Other Materials:		General Chemistry I, Petrucci Harwood Herring. Palme Publishing Lecturer course notes							
23	Assesment									
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT							
	n Exam	1	40.00							
Midterm				0.00						
Midterm Quiz		0								
Quiz	vork-project	0								

24	ECTS / WORK LOAD TABLE							
Measur Course	•		Measurement and evaluation are carried out according to the principles of Bursa Uludağ University Associate and Undergraduate Education Regulation.					
Total			100.00					
Contrib	ution of Final Exam to Success Grade	9	60.00					
	ution of Term (Year) Learning Activitie s Grade	es to	40.00					
Total		2	100.00					

24 |ECIS/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	0: L	earr	ning C	Dbjec	tive	s P	Q: P	rogra	ım Qu	alifica	tions	5		
Contrib ution Level:	tion			3 Medium			4 High			5 Very High						