GENERAL CHEMISTRY

1	Course Title:	GENERAL CHEMISTRY	
2	Course Code:	KIM1077	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	Nona	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. ÜMRAN SEVEN ERDEMİR	
15	Course Lecturers:	Prof. Dr. Ali KARA	
16	Contact information of the Course Coordinator:	Doç. Dr. Ümran SEVEN ERDEMİR Bursa Uludağ Üniversitesi Fen-Edebiyat Fakültesi Kimya Bölümü 16059 Görükle-Nilüfer/Bursa Tel: 0224 29 42943 e-posta: useven@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	In this course the chemical structures of the matter and the attraction forces between the bonds will be told. İt will be given the major chemistry information. How to use the periodic table, the properties and reactions of elements, analytical designing basics of the elements will be given	
19	Contribution of the Course to Professional Development:	Students will graduate with knowledge of important and basic concepts in chemistry, which is one of the basic sciences area that will be used frequently in their profession.	
20	Learning Outcomes:		
		1	To train students in understanding chemical properties, the structure of the atom,the molecular geometry and the chemical bonds.
		2	To provide knowledge on chemical equations, quantitative correlations, and gases.
		3	To train the students in understanding liquids and solids, oxygen, hydrogen and solutions.
		4	To train the students in understanding electrochemistry, calculations of pH and pOH and organic chemistry.
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21	Course Content:

Course Content:

Week	Theoretical	Practice
1	İntroduction to General Chemistry	
2	The Structure of The Atom	
3	Chemical Bonds	
4	Molecular Geometry	
5	Chemical Equations and Quantitative Correlations	
6	Gases	
7	Liquids and Solids	
8	Oxygen and Hydrogen	
9	Solutions	
10	Kinetic reactions	
11	Electrochemistry	
12	Calculations of pH and pOH	
13	Calculation of Percentage and yield	
14	Organic Chemistry	

22	Textbooks, References and/or Other Materials:	1.)MORTIMER, Chemistry,Sixth Edition, Library of Congress Cataloging in Publication Data. 2.) JOHN E. HEARST, JAMES B. IFFT, Contemporary Chemistry,1976 by W.H. Freeman and Company. 3.) Organic Chemistry, Buuterworth Group, ISBN 040861403
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00

Measurement and Evaluation Techniques Used in the Course	Traditional and new complementary approaches will be used together in measurement. Traditional methods (90% effective): 1. Classic written exam (2 exams, mid-term and final) Complementary methods (10% effective): 1. Observation / self-assessment according to participation with answering questions asked during the lesson The evaluation will be made according to the scores specified in Bursa Uludağ University Undergraduate Education and Training Regulations for classes with less than 20 students or by relative evaluation system for classes more than 20.

24 ECTS / WORK LOAD TABLE

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	3.00	42.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	1.00	1.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			95.00
Total work load/ 30 hr			3.17
ECTS Credit of the Course			3.00

25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS

	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	4	4	4	4	1	3	1	1	1	4	4	4	0	0	0
ÖK2	4	4	4	4	4	2	4	3	1	3	4	4	4	0	0	0
ÖK3	4	4	4	4	4	2	3	2	1	2	4	3	4	0	0	0
ÖK4	4	4	4	4	1	2	3	2	1	2	4	3	4	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High