

# GENERAL CHEMISTRY I

1	Course Title:	GENERAL CHEMISTRY I
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:	6.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	1
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. HASENE MUTLU GENÇKAL
15	Course Lecturers:	Doç. Dr. Hasene MUTLU GENÇKAL Doç. Dr. Yeliz ULAŞ Dr. Öğr. Üyesi Monireh YÜCEL
16	Contact information of the Course Coordinator:	hasenem@uludag.edu.tr +90 2242941734 Bursa Uludağ Üniversitesi Fen-Edebiyat Fakültesi Kimya Bölümü 16059 Görükle / BURSA  Bursa Uludag University Faculty of Sciences and Arts Department of Chemistry 16059 Gorukle / BURSA
17	Website:	
18	Objective of the Course:	To ensure the adoption of basic subjects related to chemistry and to create an adequate chemistry background for a better understanding of the vocational courses to be taken in the coming years.
19	Contribution of the Course to Professional Development:	Creating adequate chemistry infrastructure
20	Learning Outcomes:	
	1	To be able to comprehend the importance of chemistry and explain basic chemistry subjects.
	2	To be able to use chemical terms in the stages of recognizing and solving problems in the vocational education process.
	3	To know chemical compounds, to be able to formulate and name within the framework of rules.
	4	To be able to make stoichiometric calculations by knowing the types of chemical reactions and their realization conditions.
	5	To be able to comprehend solution types and solution concentrations and use them in calculations.
	6	To acquire the necessary background for chemical experiments.
	7	

	8	
	9	
	10	
<b>21</b>	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
1	Matter, its properties and measurement	
2	Atoms ve atomic theory	
3		Practice-1
4	Chemical compounds	
5	Chemical reactions	
6		Practice-2
7	Aqueous solution reactions	
8	Gases	
9		Practice-3
10	Thermochemistry	
11	Periodic table and atomic properties	
12		Practice-4
13	Intermolecular forces: liquids and solids; Solutions	
14	Chemical balance	
<b>22</b>	Textbooks, References and/or Other Materials:	1. "General Chemistry (Vol. I and II)", Petrucci, Harwood, Herring, Palme Inc., Ankara, 2. "General Chemistry- Basic Concepts", Raymond Chang, Palme Inc., Ankara, 2009. 3. "Chemistry-Basic Concepts", Namık K. Tunalı, Namık K. Aras, Başarı Inc., Ankara, 1987.
<b>23</b>	Assesment	
<b>TERM LEARNING ACTIVITIES</b>		<b>NUMBE R</b>
		<b>WEIGHT</b>
Midterm Exam		1
Quiz		0
Home work-project		0
Final Exam		1
Total		2
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		Question and answer time The system of relative evaluation is applied.
<b>24</b>	<b>ECTS / WORK LOAD TABLE</b>	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	14	1.00	14.00
Self study and preperation	14	2.00	28.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	35.00	35.00
Others	0	0.00	0.00
Final Exams	1	60.00	60.00
Total Work Load			179.00
Total work load/ 30 hr			5.97
ECTS Credit of the Course			6.00

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	5	0	0	0	0	3	0	2	0	0	0	0	0	0	0	0
ÖK2	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	5	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0
ÖK5	5	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0
ÖK6	5	3	0	0	4	0	0	2	0	0	0	0	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							