

# GENERAL CHEMISTRY

1	Course Title:	GENERAL CHEMISTRY	
2	Course Code:	KIM1079	
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):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	2	
11	Prerequisites:	None	
12	Language:	English	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. ASIM OLGUN	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Doç. Dr. Mesut GÖRÜR mesutgorur@uludag.edu.tr 0 224 275 5094 Bursa Uludağ Üniversitesi Fen-Edebiyat Fakültesi Kimya Bölümü 16059 Bursa	
17	Website:		
18	Objective of the Course:	The aim of this course is to explain basic concepts of chemistry and help to gain basic knowledge that students will need to other courses of chemistry.	
19	Contribution of the Course to Professional Development:	Learns chemical substances and their behavior. Understands chemical calculations.	
20	Learning Outcomes:		
		1	Learns the basic concepts of chemistry.
		2	Comments the the basic concepts of chemistry.
		3	Analyses the basic concepts of chemistry.
		4	Performs the basic concepts of chemistry in the laboratory.
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21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	Chemical kinetics		
2	Chemical equilibrium		
3	Acids and bases		
4	Solubility and complex ion equilibrium		
5	Solubility and complex ion equilibrium		

6	Entropy and free energy	
7	Electrochemistry	
8	Repeating courses	
9	Main group elements	
10	Transition elements	
11	Complex ions and coordination compounds	
12	Nuclear chemistry	
13	Organic chemistry	
14	Chemistry of the living state	

22	Textbooks, References and/or Other Materials:	General Chemistry , Principles and Modern Applications. Petrucci Harwood.
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23	Assesment	
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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
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Activites	Number	Duration (hour)	Total Work Load (hour)
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Theoretical Measurement and Evaluation Techniques Used in the	14	2.00	28.00
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Practicals/Labs	14	2.00	28.00
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Self study and preperation	14	1.00	14.00
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Homeworks	6	1.00	6.00
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Projects	0	0.00	0.00
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Field Studies	0	0.00	0.00
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Midterm exams	1	10.00	10.00
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Others	0	0.00	0.00
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Final Exams	1	10.00	10.00
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Total Work Load			96.00
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Total work load/ 30 hr			3.20
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ECTS Credit of the Course			3.00
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
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	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	2	2	3	4	4	3	4	1	4	0	0	0	0	0	0
ÖK2	3	2	2	3	4	4	3	4	1	4	0	0	0	0	0	0
ÖK3	4	3	3	4	5	5	4	5	1	5	0	0	0	0	0	0
ÖK4	5	4	5	4	4	5	4	5	1	5	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

<b>Contribution Level:</b>	<b>1 very low</b>	<b>2 low</b>	<b>3 Medium</b>	<b>4 High</b>	<b>5 Very High</b>
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