CHEMISTRY									
1	Course Title:	CHEMISTRY							
2	Course Code:	OTPZ105							
3	Type of Course:	Compulsory							
4	Level of Course:	Short Cycle							
5	Year of Study:	1							
6	Semester:	1							
7	ECTS Credits Allocated:	4.00							
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. ZEYNEP ÖMEROĞULLARI BAŞYİĞİT							
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.							
16	Contact information of the Course Coordinator:	Öğr.Gör. Sermet Çelikçapa. sermet@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	To develop an ability to solve basic quantitative problems regarding the properties of molecules, chemical equilibria, chemical kinetics, and to develop the ability to appropriately apply this knowledge to general scientific problems in various fields of science and engineering							
19	Contribution of the Course to Professional Development:	Chemical reactions understanding in textile sector.							
20	Learning Outcomes:								
		1 To learn the structure of matter							
		2	To learn the structure and properties of atoms						
		3	To learn the chemical bondings						
		4	To learn the molecular geometry						
			To learn the concept of chemical equilibrium						
		6	To learn general properties of gases and gas laws						
		7	To learn general properties of liquid and liquid laws						
		8	To learn general properties of solid and solid laws						
		9	To learn general properties of solutions and solutions laws						
		10							
21	Course Content:								
	Course Content:								
Week	Theoretical Practice								

1	Course description, explanation of to activities, evaluation methods and the functioning								
2	Matter, compounds, and mixtures, pl and chemical properties; SI system, measurements, accuracy and precisi	units,							
3	Structure of atoms, electron, notron, atomic weight, isotopes, izobars	proton,							
4	Periodic table; classification of elements oxidation states of elements, sizes of and ions, electronegativity								
5	Types of chemical compounds, form chemical compounds	ulas of							
6	Chemical bonding, classification of b ionic bonding, covalent bonding, writ Structures, Octet Rule								
7	Formal charge, polarity, dipole mome coordinative covalent bonding	ent,							
8	Repeating courses and midterm exa	m							
9	Mole concept, chemical reactions, ox reactions, redox reactions	kidation							
10	Properties of gases and pressure, The Gas Equation, gas properties relating Kinetic-Molecular Theory								
11	Properties of liquids, viscosity, surfactions, vaporization of Liquids,								
Activit			N	umber	Duration (hour)	Total Work Load (hour)			
Theore	teanninology, solution concentration	,	14		2.00	28.00			
	als/Labs		0		0.00	0.00			
Self stu	dy and preperation		Cha	na R "Chemistry"	3.00 Mc Graw Hill Inc. 3	42.00 2009			
Homew			4	IO R CHEIIISIIV	5.00	20.00			
Project	\$		Olm Son:	sted, J., &Williams,	G.M., Chemistry, J	ე:ეტ <sup>yviley</sup> &			
Field S	tudies		0		0.00	0.00			
M <b>23</b> err	Assasment		1		10.00	10.00			
Others			0		0.00	0.00			
Final E	xams n Exam	1	40 <sup>1</sup> 0	0	20.00	20.00			
	Vork Load					120.00			
Total w	vork load/ 30 hr work-project	0	0 00			4.00			
	Credit of the Course					4.00			
Total		2	100.00						
	oution of Term (Year) Learning Activitions Grade	es to	40.00						
Contrib	oution of Final Exam to Success Grade	e	60.00						
Total			100.00						
Measur	•	sed in the	Measurement and evaluation is carried out according to the priciples of Bursa Uludağ University Associate and Undergraduate Education Regulation.						
24 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	PQ14	PQ15	PQ16
ÖK1	4	3	4	5	4	4	4	3	4	4	4	4	4	4	4	4
ÖK2	3	0	3	4	4	4	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			LO: L	.earr	ning (	Objec	ctive	s P	Q: P	rogra	ım Qu	alifica	tions	<b>S</b>	1	
Contrib ution Level:	ution			2	2 low		3 Medium			4 High			5 Very High			