CHEMISTRY										
1	Course Title:	CHEMIS	TRY							
2	Course Code:	OTPZ105								
3	Type of Course:	Compuls	ory							
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:	Öğr.Gör. SERMET ÇELİKÇAPA								
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	Dr. Ayşe Hilal Ulukardeşler ulukardesler@uludag.edu.tr 0-224-2942377								
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:									
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:									
		Co	urse Content:							
Week	k Theoretical Practice									

2	activities, evaluation methods and t functioning Matter, compounds, and mixtures,					
	and chemical properties; SI system measurements, accuracy and preci	, units, sion				
3	Structure of atoms, electron, notron atomic weight, isotopes, izobars	ı, proton,				
4	Periodic table; classification of elemoxidation states of elements, sizes and ions, electronegativity					
5	Types of chemical compounds, forr chemical compounds	nulas of				
6	Chemical bonding, classification of ionic bonding, covalent bonding, wr Structures, Octet Rule					
7	Formal charge, polarity, dipole mon coordinative covalent bonding	nent,				
8	Repeating courses and midterm ex	am				
9	Mole concept, chemical reactions, or reactions, redox reactions	oxidation				
10	Properties of gases and pressure, Gas Equation, gas properties relating Kinetic-Molecular Theory					
11	Properties of liquids, viscosity, surfatension, vaporization of Liquids, vaporization of Liquids					
Activi			Number	Du	uration (hour)	Total Work Load (hour)
Theore	teaminology, solution concentration	,	14	2.0	00	28.00
Practic	cals/Labs		0	0.0	00	0.00
racill				1.0	00 c Graw Hill Inc. 2	1.00 2009
	udy and preperation Theythooks References and/or Other	or .	Chang R "	Chemistry" I Mi		71 11 19
	udy and preperation Texthooks References and/or Othe works		0	0.0	no I	0.00
Self st	works		0	0.0	no I	0.00
Self st Home Project Field S	works ts Studies		0	0.0	00 М., Chemistry, J	0.00
Self st Home Project Field S	works ts		0 Olmsted, J., Sons	0.0 &vvilliams, do.d	00 M., Chemistry, J 00	ე:ტე ^{vviiey} &
Self st Home Project Field S	works ts Studies nAକ୍ୟକ୍ରମ୍ଭେବୀ		0 Olmsted, J., Sons 0	0.0 &vvilliams, d .d	00 Mg., Chemistry, J 00	0.00 20.00 0.00
Self st Home Project Field S M23er Others	works ts Studies nAକ୍ୟକ୍ରମ୍ଭେବୀ		0 Olmsted, J., Sons 0	0.0 &vvilliams, 0.0 0.0 4.0	00 Mg., Chemistry, J 00 00 00	0.00 0.00 4.00 0.00 5.00
Field Some Others	works ts Studies nAজ্জেন্বান্ত্ৰাent		0 Olmsted, J., Sons 0 1	0.0 &vviiliams, 5.0 0.0 4.0 0.0	00 Mg., Chemistry, J 00 00 00	0.00 0.00 4.00 0.00
Homey Project Field S M28er Others Final F Midter Total V	works ts Studies nAscersionent s Exams Mork Load work load/ 30 hii work-project	1	0 Olmsted, J., Sons 0 1	0.0 &vviiliams, 5.0 0.0 4.0 0.0	00 Mg., Chemistry, J 00 00 00	0.00 0.00 4.00 0.00 5.00
Homey Project Field S M28er Others Final F Midter Total V	works ts Studies nAssassent s Exams Work Load	1	0 Olmsted, J., Sons 0 1 0	0.0 &vviiliams, 5.0 0.0 4.0 0.0	00 Mg., Chemistry, J 00 00 00	0.00 0.00 4.00 0.00 5.00 38.00
Homey Project Field S M28er Others Final F Midter Total V	works ts Studies nAscersionent s Exams Mork Load work load/ 30 hii work-project	1	0 Olmsted, J., Sons 0 1 0	0.0 &vviiliams, 5.0 0.0 4.0 0.0	00 Mg., Chemistry, J 00 00 00	0.00 0.00 4.00 0.00 5.00 38.00
Field S M23er Others Final E Midter Total V Fotal V Fotal Contril	works ts Studies nAscersionent s Exams Mork Load work load/ 30 hii work-project	1 0 2	0	0.0 &vviiliams, 5.0 0.0 4.0 0.0	00 Mg., Chemistry, J 00 00 00	0.00 0.00 4.00 0.00 5.00 38.00
Field S M23er Others Final E Midter Total V Fotal V Fotal V Contril Succe	works Studies Assessment S Exams Work Load Work load/30 hr Work-project Credit of the Course bution of Term (Year) Learning Activi	1 1 2 ties to	0	0.0 &vviiliams, 5.0 0.0 4.0 0.0	00 Mg., Chemistry, J 00 00 00	0.00 0.00 4.00 0.00 5.00 38.00
Field S M23er Others Final E Midter Total V Fotal V Fotal V Contril Succe	works Studies Assessment S Exams Mork Load work load/ 30 hr work-project Credit of the Course bution of Term (Year) Learning Activises Grade	1 1 2 ties to	0	0.0 &vviiliams, 5.0 0.0 4.0 0.0	00 Mg., Chemistry, J 00 00 00	0.00 0.00 4.00 0.00 5.00 38.00
Field S M28er Others Final Fin	works Studies Assessment S Exams Work Load Work load/ 30 hr Work-project Credit of the Course bution of Term (Year) Learning Activities Grade bution of Final Exam to Success Grade urement and Evaluation Techniques to	1 1 2 ties to de	0	0.0 &vviiliams, 5.0 0.0 4.0 0.0	00 Mg., Chemistry, J 00 00 00	0.00 0.00 4.00 0.00 5.00 38.00
Home Project Field S M23er Others Final Editor Total V Total V Home ECTS Total Contril Succe Contril Total Measu	works Studies Assessment S Exams Work Load Work load/ 30 hr Work-project Credit of the Course bution of Term (Year) Learning Activities Grade bution of Final Exam to Success Grade urement and Evaluation Techniques to	1 1 2 ties to de	0	0.0 &vviiliams, 5.0 0.0 4.0 0.0	00 Mg., Chemistry, J 00 00 00	0.00 0.00 4.00 0.00 5.00 38.00

QUALIFICATIONS

	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 v	ery I	ow	2	2 low		3 Medium 4 High		h	5 Very High						