GENERAL CHEMISTRY I									
1	Course Title:	GENERA	AL CHEMISTRY I						
2	Course Code:	FEN1011							
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	ele						
5	Year of Study:	1							
6	Semester:	1							
7	ECTS Credits Allocated:	5.00							
8	Theoretical (hour/week):	4.00							
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. SEVGÜL ÇALIŞ							
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	scalis@uludag.edu.tr ,224-2942296, Uludag Ün.Eğitim Fak. A blok,İlköğretim Böl.16059 Nilüfer, Bursa							
17	Website:								
18	Objective of the Course:	To consolidate, improve, complement shortage and show application of chemistry knowledge which is learned in elementary and secondary schools.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Have the basic knowledge on the concepts such as properties and states of matter, structure of atom, chemical bonds and molecular structure						
		2	To be able to write the formulas of ionic compound and Lewis formula of compound						
		3	To be able to determine molecular geometries by using compound formulas						
		4	To be able to make chemical calculations						
		5	To be able to balance chemical equations						
		6	To be able to solve gas problems						
		7							
		8							
		9							
		10							
21	Course Content:								
10.	· · ·	Co	purse Content:						
	Theoretical	- "	Practice						
1	The definition,branches, importance, daily life of the chemistry and looking historical development of chemistry methods, significant numbers,proper matter	g at the Scientific							

2	Atom and electronic structures of ato nucleus of atom, proton, neutron and electron, atomic theory								
3	Modern atomic Theory								
4	Introduction of periodic table, Types a periodic properties of elements loniza Energies, electronegativity, atomic ra electron affinities	ation							
5	Introduction of chemical bonds, Lewistructures of molecules, formal charge								
6	lonic bond, covalent bond, intermolectorces of attraction	cular							
7	Molecular geometry,								
8	Hybridization and hybrid orbitals								
9	Dipole moment, Covalent bond Theo distance, multiple bonds	ry, bond							
10	Formulas, types and properties of Checompounds	emical							
11	Chemical reactions and equations, ty reaction	pes of							
12	Oxidation-reduction reactions and to equations, The Mole and chemical calculations	balance							
13	Gases, ideal gases, non-ideal gases								
Activit	tes		Number	Duration (hour)	Total Work Load (hour)				
Theore	Materials:		14	4.00	56.00				
	als/Labs		0	0.00	0.00				
Self stu	LEARNING ACTIVITIES udy and preperation	NOMBE I	WEIGHT	3.00	66.00				
Homev		R	0	0.00	0.00				
Brgject	ts	0 (0.00	0.00	0.00				
Field S	Studies	1 - 1	0	0.00	0.00				
Middet	ng ans	1 6	60.00	10.00	10.00				
Others			0	0.00	0.00				
Einat ri	Matth of Term (Year) Learning Activities	es to 4	40.00	15.00	15.00				
	Vork Load				147.00				
Cotatlrik	ontionatiF80ahExam to Success Grade	e (60.00		4.90				
ECTS	Credit of the Course				5.00				
Measu Course	rement and Evaluation Techniques Us	sed in the							
24	ECTS / WORK LOAD TABLE	<u>'</u>							
25	CONTRIBUTION (MES TO PROGRAM	1ME				
	QUALIFICATIONS								

PQ1 PQ2 PQ3 PQ4 PQ5 PQ6 PQ7 PQ8 PQ9 PQ1 0 PQ11 PQ12 PQ1 3 PQ14 PQ15 PQ16 ÖK1 ÖK2 ÖK3

ÖK4	5	0	0	5	5	0	0	0	5	0	0	0	0	0	0	0
ÖK5	5	0	0	5	5	0	0	0	5	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low		3 Medium		um	4 High			5 Very High					