	GEN	IERAL	. CHEMISTRY					
1	Course Title:	GENER/	AL CHEMISTRY					
2	Course Code:	CEV103	3					
3	Type of Course:	Compuls	sory					
4	Level of Course:	First Cyc	le					
5	Year of Study:	1						
6	Semester:	1						
7	ECTS Credits Allocated:	3.00						
8	Theoretical (hour/week):	2.00						
9	Practice (hour/week):	1.00						
10	Laboratory (hour/week):	0						
11	Prerequisites:	None						
12	Language:	Turkish						
13	Mode of Delivery:	Face to f	face					
14	Course Coordinator:	Doç.Dr. /	ALİ KARA					
15	Course Lecturers:	-						
16	Contact information of the Course Coordinator:	olcaytopac@uludag.edu.tr 02242942109						
17	Website:							
18	Objective of the Course:	To introduce students to the basic concepts of chemistry science and to provide a chemistry background for improving the understanding of subsequent professional courses.						
19	Contribution of the Course to Professional Development:							
20	Learning Outcomes:							
		1	Have an understanding of importance and fundamentals c chemistry science.					
		2	Have the ability of understanding and using chemical terms when identifying and solving professional problems.					
		3	Become familiar with chemical compounds and know the formulation and naming rules.					
		4	Have an adequate knowledge about chemical reaction and necessary conditions and be able to solve stoichiometric calculations.					
		5	Have an understanding of solution types and solution concentrations and use them in related calculations.					
		6	Have the theoretical background for chemical laboratory practices.					
		7						
		8						
		9						
		10						
21	Course Content:							
		Co	ourse Content:					
Week	Theoretical		Practice					
1	Introduction to the course (objective grading) granular and porous stru matter, mobility of particles	, content, cture of	Sample problem solving					

2	States of matter, matter and energy, of state	changes	Sample problem solving							
3	Classification of matter, pure matters mixtures, physical and chemical alter elements and compounds, separation mixtures.	, ations, n of the	Sample problem solving							
4	Structure of atom (atomic theory, the structure of atom, subatomic particles number, mass number, isotopes, electron configurations, periodic table)	s, atomic ctron	Sample problem solving							
5	Chemical bonds (bonding properties of reactivity, covalent bonds, ionic bo polar covalent bonds)	and lack nds,	Sample problem solving							
6	Attraction forces between particles ar holistic view of the matter(Atomic latti der walls forces, metalic lattices, mol- lattices, ionic lattices, geological struct rocks and minerals)	nd ice, van eculer ctures,	Sample problem solving							
7	Molecules, ions and chemical formula (molecules, ions, molecular formula, formula, formulas of ionic compounds naming of ionic-molecular compound naming of acids and bases)	as rough s, s,	Sample problem solving							
8	Repeating courses and midterm exar	n	Repeating courses and	midterm exam						
9	Chemical reactions and calculations (calculation of molecular and formula concept of mole, writing and equaliza	weight, ition of	Sample problem solving							
Activit	es		Number	Duration (hour)	Total Work Load (hour)					
Thepre	i Ge heral properties of aqueous solution	ons,	Sanaple problem solving	2.00	28.00					
Practic	als/Labs		14	1.00	14.00					
Self stu	କ୍ରମଧ୍ୟକାର୍ଯ୍ୟ କାନ୍ତperation		14	1.50	21.00					
Homew	vorks		0	0.00	0.00					
Project 13	Solution concentrations, solution		0 Sample problem solving	0.00	0.00					
Field S	tudies		0	0.00	0.00					
Mi dfe rr	Gesenggaseous substances, gas pre	essure,	Sample problem solving	10.00	10.00					
Others			1	4.00	4.00					
Final E	xams		1	13.00	13.00					
Total V	Vork Load				90.00					
T @22 w	Orextbac/km References and/or Other		-"General Chemistry- Ba	sic Concepts", Ray	<u>ആ</u> ത്രd Chang,					
ECTS	Credit of the Course				3.00					
			-"Chemistry-Basic Concepts", Namık K. Tunalı, Namık K. Aras, Başarı Inc., Ankara, 1987.							
23	Assesment									
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT							
Midterr	n Exam	1	30.00							
Quiz		1	20.00							
Home	work-project	0	0.00							
			-							
Final E	xam	1	50.00							
Final E Total	xam	1 3	50.00 100.00							

Contribution of Term (Year) Learning Activities to Success Grade	50.00
Contribution of Final Exam to Success Grade	50.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	

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 3	PQ14	PQ15	PQ16
ÖK1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	5	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:		low	2 low			3 Medium		4 High		5 Very High						