		CHE								
1	Course Title:	CHEMIS	STRY I							
2	Course Code:	FEN110	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):	2.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	ace							
14	Course Coordinator:	Doç. Dr.	SEVGÜL ÇALIŞ							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	Doç.Dr.SEVGÜL ÇALIŞ scalis@uludag.edu.tr 0 224 2942227								
17	Website:									
18	Objective of the Course:	To conso students applicabi	blidate and improve the chemistry knowledge acquired by , to overcome their deficiencies and to show their ility.							
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Knows the structure, properties and measurement of matter.							
		2	Knows the laws of chemistry and calculations for the atom.							
		3	Can use basic chemistry concepts in chemical calculations.							
		4	Knows chemical compounds and chemical reactions.							
		5	Gains chemical calculation qualifications.							
		6	Knows chemical bonds, Lewis structures and geometries.							
		7	Can write formulas of chemical compounds and name them.							
		8								
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
Week	I heoretical		Practice							
1	Definition of chemistry, historical development, importance, fields, effe life. Properties, classification and pro of matter, Separation methods	ect on our operties	iviaking classroom practices and examples							

2	Measu signific	rement ant nur	of mat nbers	tter: S	I (Metr	ic) uni	ts,	Int	Introduction of materials used in the laboratory											
3	Measu and the	asurement studies with pipette, burette								Measurement studies with pipette, burette and thermometer,										
4	Atoms nucleu	oms and electron structure of atom, atomic cleus, atomic theories,								Filtration with funnel and separation with separating funnel										
5	Introdu classifi noble (ction to cation o jases, l	o the pe of elem haloge	eriodio nents (ns), P	c table, (metals eriodic	s, noni prope	metals erties.	, ,	Making classroom practices and examples											
6	Kimya: adland	al biles ırma, m	şik türle nol kav	eri ve ramı	formüll	eri,		Ma	Making classroom practices and examples											
7	Chemi stoichi	cal read ometry	ctions,	Cherr	nical eq	uatior	n and	Me de	Measurement studies with scales and density determination with pyknometer											
8	stoichi	vichiometry								Making classroom practices and examples										
9	Chemi yield, r	emical reactions in solution, Theoretical d, real yield, percentage yield								Making classroom practices and examples										
10	Acids a Lewis a	ids and bases (Arhenius, Brönsted Lowry, wis acid-base definition)								Making classroom practices and examples										
11	Chemi covale	emical bonds, Lewis theory, ionic bond, valent bond								Making classroom practices and examples										
12	Writing Molecu	iting Lewis structures, formal load.								Making classroom practices and examples										
13	Interm gases	ermolecular interactions (Liquids, solids, ses)								lassro	om prac	tices a	nd exa	mples						
14	Physic	al prop	erties a	and se	paratio	on of	icale i	Ma	aking c	lassro	om prac	ctices a	nd exa	mples						
Activites									Number				Duration (hour)			Total Work Load (hour)				
Theore	etical							Ē	Ed ^{1,4} Tahsin Uyar ve Serr				er ve modern oygdiannaiar, çev. # Aksoy, Palme yayıncılık,							
Practicals/Labs								ŕ	14					28.00						
Self study and preperation									14			1.00	1.00			14.00				
Homeworks									0			0.00			0.00					
Ridjects Exam 1									4000			0.00	0.00			0.00				
Field Studies									0				0.00			0.00				
Mightern	Modern workaponsject 0									0.00				10.00						
Others									0				0.00			0.00				
Final E	Final Exams 2									100.00				10.00						
Total Work Load														90.00						
한 년 김 양장 가운 『 한 월 월 / 30 hr															3.00					
ECTS	ECTS Credit of the Course														3.00					
Total	Total									100.00										
Measu Course	Measurement and Evaluation Techniques Used in the Course																			
24	ECTS	/ WO	RKL	OAD	TAB	LE														
25		CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
	PC	1 PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16				
ÖK1	5	0	0	5	5	0	0	0	5	5	0	0	0	0	0	0				
ÖK2	5	5 0 0 5 5 0 0 0							5	5	0	0	0	0	0	0				
			•		•					•	•		•		•	•				

ÖK3	5	0	0	5	5	0	0	0	5	5	0	0	0	0	0	0
ÖK4	5	0	0	5	5	0	0	0	5	5	0	0	0	0	0	0
ÖK5	5	0	0	5	5	0	0	0	5	5	0	0	0	0	0	0
ÖK6	5	0	0	5	5	0	0	0	5	5	0	0	0	0	0	0
ÖK7	5	0	0	5	5	0	0	0	5	5	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low			3 Medium			4 High			5 Very High			