	ORGA	ANIC	CHEMISTRY II								
1	Course Title:	ORGANI	C CHEMISTRY II								
2	Course Code:	KIM2012									
3	Type of Course:	Compuls	ory								
4	Level of Course:	First Cyc	le								
5	Year of Study:	2									
6	Semester:	4									
7	ECTS Credits Allocated:	4.00									
8	Theoretical (hour/week):	4.00									
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:										
12	Language:	Turkish									
13	Mode of Delivery:	Face to f	ace								
14	Course Coordinator:	Prof. Dr.	MUSTAFA TAVASLI								
15	Course Lecturers:	Prof. Dr.	NECDET COŞKUN								
16	Contact information of the Course Coordinator:	mtavasli@uludag.edu.tr +90 224 29 41 732 Uludağ Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 16059 Görükle / BURSA, TÜRKİYE									
17	Website:										
18	Objective of the Course:	To introduce some fundemantal organic molecules and to discuss their synthesis and reactions.									
19	Contribution of the Course to Professional Development:	To apply facilities.	some fundemöantal knowledge in industry and producttion								
20	Learning Outcomes:										
		1	Learning the basic organic chemistry terms								
		2	Realizing the general properties of organic compounds								
		3	Learning the risks about organic compounds (personal and environmental) and using the chemicals carefully								
		4	Learning the reactions of some main organic functional groups.								
		5	Understanding and being able to comment on the reaction mechanisms.								
		6	Being able to plan some serried reactions.								
		7	-Being able to comment on the problems about organic chemistry and getting skills for solving the problems.								
		8									
		9									
	Occurs Occuts of	10									
21	Course Content:	0-	uras Content:								
Mook	Theoretical	Co	urse Content:								
vveek	k Theoretical Practice										

1	Ethers and Epoxides Classification-Symmetric and Asymmetric Physical properties and Dipole-Dipole Interactions Nomenclature Syntheses Dehydration of Alcohols Williamson Ether Synthesis Addition of alcoxymercury-mercury elimination to alkenes Hydroxyboration of alkenes oxidation Reactions: Breaking up with HI			
2	Epoxides ? Nomenclature ? Syntheses ? Reactions Alkenes I: Properties and Preparation • Nomenclature with (E)/(Z) System • Relative Stability of Alkenes Sycloalkenes			
3	Syntheses of Alkenes: Elimination reactions over (E1/E2). From alkylhalides From alcohols Stability of carbocation and Molecular Rearrangements			
Activit	es	Number	Duration (hour)	Total Work Load (hour)
Theore	icalddition of sulphuric acid	14	2.00	28.00
	als/Labs	14	2.00	28.00
Se 5 stu	dyFantenptioperational distribution	14	2.00	28.00
Homew	vorks	0	0.00	0.00
Project	? Carben Addition	0	0.00	0.00
Field S	tudies	0	0.00	0.00
Miderr	MAKANES .	1	16.00	16.00
Others		0	0.00	0.00
Final E	শ্ব ের eophilicity	1	20.00	20.00
Total V	Vork Load			120.00
Total w	erRemailions:hr			4.00
ECTS (Credit of the Course			4.00
	? HgSO4 catalised Hydration ? Hydroboration ? Reduction ? Oxidation			
7	Nuclear Magnetic Resonance Spectrometer ? Nuclear Spin: The source of the signal (Shielding / Deshielding) ? Chemical shift (Equivalent / Nonequivalent Protons) ? Signal Splitting (Spin-Spin Coupling) Proton NMR Spektrums and Rate İşlemleri			
8	Benzene and Aromaticity ? Nomenclature of benzene derivatives ? The structure and stability of benzene			

9	? Ar ? Be	omat enzen	ic lons loid A	romati	ic Cor	Rule npound ompou											
10	• Ge ? Ha	nelal aloge	Mech nation		n: Are enzen	stitutior nium Id e		ctions									
11	? All	kyllat	ion of		ene -	e Friedel riedel-											
12	Aldehides and Ketones: Nucleophilic Addition Reactions to Carbonyl Group • Nomenclature • Physical Properties • Syntheses ? From oxidation of Alcohols ? From breaking up alkenes with ozone																
13	to Carrell Acceptage 7	arbor Idition Idition	nyl Gr n of A n of A	oup Icohol	s iia an	Additio d Deriv Inide			3								
14	? Ac (Ref ? Re	ditio	n of O itsky F ion		metal	React lic Rea											
22		tbook erials		ferenc	es an	d/or O	ther										
23	Asse	esme	nt														
TERM L	EAR	NING	ACTI	VITIES	3		N R	IUMBE	WE	IGHT							
Midtern	n Exa	am					1		40.	.00							
Quiz							0		0.0	0							
Home v	work-	proje	ct				0)	0.0	0.00							
Final E	xam						1			60.00							
Total		. –					2			100.00 40.00							
Contrib Succes			erm (\	rear) l	Learn	ing Act	ivities	to	40.	.00							
Contrib	ution	of Fi	inal E	xam to	Suc	cess G	rade		60.	.00							
Total									100	100.00							
Measur Course		nt an	d Eva	luatio	n Tec	hnique	s Use	d in th	e wri	written, multiple choice and short quiz							
24	EC.	TS/	WOF	RK L	OAD	TAB	LE										
25				CON	TRIE	UTIO	N O				OUTC		S TO	PROC	RAMI	ΜE	
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16
ÖK1	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2		0	0	0	0	4	0	0	0	3	0	0	0	0	0	0	0

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