	ORG	ANIC	CHEMISTRY II									
1	Course Title:	ORGAN	IIC CHEMISTRY II									
2	Course Code:	KIM201	2									
3	Type of Course:	Compul	sory									
4	Level of Course:	First Cy	cle									
5	Year of Study:	2										
6	Semester:	4										
7	ECTS Credits Allocated:	4.00										
8	Theoretical (hour/week):	4.00	4.00									
9	Practice (hour/week):	0.00										
10	Laboratory (hour/week):	0										
11	Prerequisites:											
12	Language:	Turkish										
13	Mode of Delivery:	Face to	face									
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		To introduce some fundemantal organic molecules and to discuss their synthesis and reactions.										
10	Objective of the Course:	their syı	nthesis and reactions.									
19	Contribution of the Course to Professional Development:	their syı	nthesis and reactions. y some fundemöantal knowledge in industry and producttion									
	Contribution of the Course to	their syr To appl	nthesis and reactions. y some fundemöantal knowledge in industry and producttion									
19	Contribution of the Course to Professional Development:	their syr To appl	nthesis and reactions. y some fundemöantal knowledge in industry and producttion									
19	Contribution of the Course to Professional Development:	their syn To appl facilities	nthesis and reactions. y some fundemöantal knowledge in industry and producttion s.									
19	Contribution of the Course to Professional Development:	their syn To appl facilities 1 2 3	Inthesis and reactions. y some fundemöantal knowledge in industry and producttion Learning the basic organic chemistry terms Realizing the general properties of organic compounds Learning the risks about organic compounds (personal and environmental) and using the chemicals carefully									
19	Contribution of the Course to Professional Development:	their syn To appl facilities 1 2 3 4	Inthesis and reactions. y some fundemöantal knowledge in industry and producttion is. Learning the basic organic chemistry terms Realizing the general properties of organic compounds Learning the risks about organic compounds (personal and environmental) and using the chemicals carefully Learning the reactions of some main organic functional groups.									
19	Contribution of the Course to Professional Development:	their syn To appl facilities 1 2 3	Inthesis and reactions. y some fundemöantal knowledge in industry and producttion Learning the basic organic chemistry terms Realizing the general properties of organic compounds Learning the risks about organic compounds (personal and environmental) and using the chemicals carefully Learning the reactions of some main organic functional groups. Understanding and being able to comment on the reaction mechanisms.									
19	Contribution of the Course to Professional Development:	their syn To applifacilities 1 2 3 4 5 6	Inthesis and reactions. y some fundemöantal knowledge in industry and producttion s. Learning the basic organic chemistry terms Realizing the general properties of organic compounds Learning the risks about organic compounds (personal and environmental) and using the chemicals carefully Learning the reactions of some main organic functional groups. Understanding and being able to comment on the reaction mechanisms. Being able to plan some serried reactions.									
19	Contribution of the Course to Professional Development:	their syn To appl facilities 1 2 3 4 5 6 7	Inthesis and reactions. y some fundemöantal knowledge in industry and producttion Learning the basic organic chemistry terms Realizing the general properties of organic compounds Learning the risks about organic compounds (personal and environmental) and using the chemicals carefully Learning the reactions of some main organic functional groups. Understanding and being able to comment on the reaction mechanisms.									
19	Contribution of the Course to Professional Development:	their syn To appl facilities 1 2 3 4 5 6 6 7 8	 A some fundemöantal knowledge in industry and producttion s. Learning the basic organic chemistry terms Realizing the general properties of organic compounds Learning the risks about organic compounds (personal and environmental) and using the chemicals carefully Learning the reactions of some main organic functional groups. Understanding and being able to comment on the reaction mechanisms. Being able to plan some serried reactions. Being able to comment on the problems about organic 									
19	Contribution of the Course to Professional Development:	their syn To applifacilities 1 2 3 4 5 6 7 8 9	 A some fundemöantal knowledge in industry and producttion s. Learning the basic organic chemistry terms Realizing the general properties of organic compounds Learning the risks about organic compounds (personal and environmental) and using the chemicals carefully Learning the reactions of some main organic functional groups. Understanding and being able to comment on the reaction mechanisms. Being able to plan some serried reactions. Being able to comment on the problems about organic 									
	Contribution of the Course to Professional Development: Learning Outcomes:	their syn To appl facilities 1 2 3 4 5 6 6 7 8	 A some fundemöantal knowledge in industry and producttion s. Learning the basic organic chemistry terms Realizing the general properties of organic compounds Learning the risks about organic compounds (personal and environmental) and using the chemicals carefully Learning the reactions of some main organic functional groups. Understanding and being able to comment on the reaction mechanisms. Being able to plan some serried reactions. Being able to comment on the problems about organic 									
19	Contribution of the Course to Professional Development:	their syn To applifacilities 1 2 3 4 5 6 7 8 9 10	 anthesis and reactions. y some fundemöantal knowledge in industry and producttion s. Learning the basic organic chemistry terms Realizing the general properties of organic compounds Learning the risks about organic compounds (personal and environmental) and using the chemicals carefully Learning the reactions of some main organic functional groups. Understanding and being able to comment on the reaction mechanisms. Being able to plan some serried reactions. Being able to comment on the problems about organic chemistry and getting skills for solving the problems. 									
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	their syn To applifacilities 1 2 3 4 5 6 7 8 9 10	 A some fundemöantal knowledge in industry and producttion s. Learning the basic organic chemistry terms Realizing the general properties of organic compounds Learning the risks about organic compounds (personal and environmental) and using the chemicals carefully Learning the reactions of some main organic functional groups. Understanding and being able to comment on the reaction mechanisms. Being able to plan some serried reactions. Being able to comment on the problems about organic 									

	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			
	Epoxides ? Nomenclature ? Syntheses ? Reactions Alkenes I: Properties and Preparation • Nomenclature with (E)/(Z) System • Relative Stability of Alkenes Sycloalkenes			
	 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	4.00	56.00
	2 Addition of water als/Labs	0	0.00	0.00
	dyFarmptioperation/ohydrin	14	5.00	70.00
Homew	O Lludrohorotion	0	0.00	0.00
			0.00	0.00
Draiaat	2 Carbon Addition			10.00
	s? Carben Addition	0		
Field St	udies	0	0.00	0.00
Field St Mi ct ern	2 Ovidation	0	0.00	0.00
Field St Mictern Others	2 Ovidation tudies	0 1 0	0.00 0.00 0.00	0.00 0.00 0.00
Field St Middern Others Final E	A Ovidation tudies Werkines Manseophilicity	0	0.00	0.00 0.00 0.00 0.00
Field St Mi g ern Others Final E Total W	A Ovidation Rudies ARKINES ARIONSeophilicity /ork Load	0 1 0	0.00 0.00 0.00	0.00 0.00 0.00 0.00 126.00
Field St Mictern Others Final E Total W Total w	A Ovidation tudies V#KiA®S MIMSeophilicity /ork Load orR teadolo308:hr	0 1 0	0.00 0.00 0.00	0.00 0.00 0.00 0.00 126.00 4.20
Field St Mictern Others Final E Total W Total w	A Ovidation Rudies ARKINES ARIONSeophilicity /ork Load	0 1 0	0.00 0.00 0.00	0.00 0.00 0.00 0.00 126.00
Field St Mi ct ern Others Final E Total W Total w ECTS C	A Guidation tudies ARMARS ARMARS ARMARS ARMARS ARMARS Prediction ? HgSO4 catalised Hydration ? Hydroboration ? Reduction ? Oxidation	0 1 0	0.00 0.00 0.00	0.00 0.00 0.00 0.00 126.00 4.20
Field St Mictern Others Final E Total W Total W ECTS C	A Quidation tudies V#KiN@S VIIII Constant Virk Load orReadioNS:hr Credit of the Course ? HgSO4 catalised Hydration ? Hydroboration ? Reduction	0 1 0	0.00 0.00 0.00	0.00 0.00 0.00 0.00 126.00 4.20

9	? Ar ? Be	omat enzer	ic Ion	romat	ic Cor	Rule npound ompou											
10	• Ge ? Ha	enelal aloge	l Mech natior		n: Are enzen	stitutior nium Ic e		ctions									
11	? All	kyllat	ion of		ene -	e Friedel riedel-											
12	Rea • No • Ph • Syr ? Fre	ction meno ysica nthes om o	s to C clature Il Prop ses xidatio	arbon e perties on of <i>I</i>	yl Gro Alcoho	·			n								
13	13 ? Reactions: Nucleophilic Addition Reactions to Carbonyl Group ? Addition of Alcohols ? Addition of Ammonia and Derivatives ? Addition of Hydrogencyanide																
14	? Ac (Ref ? Re	ditio	n of O atsky F ion		metal	React lic Rea		i									
22		tbook erials		ferenc	es an	d/or O	ther										
23	Asse	esme	ent														
TERM L	EAR	NING	ACTI	VITIES	;			IUMBE	WE	IGHT							
Midtern	n Exa	am					R 1		40.	00							
Quiz							0		0.0								
Home	work-	proie	ect				0		0.0								
Final E							1		_	60.00							
Total							2		10	100.00							
Contrib Succes			erm (`	Year)	Learn	ing Act	ivities	to	40.	40.00							
Contrib	ution	of F	inal E	xam to	o Suc	cess G	rade		60.	60.00							
Total									10	100.00							
Measu Course		nt an	d Eva	luatio	n Tec	hnique	s Use	d in th	e wri	tten, n	nultiple	choice	and sh	ort qui	Z		
24	EC	TS /	WO	RK L	OAD	TAB	LE										
25				CON	TRIE	BUTIO	N O				OUTC ATIO		S TO I	PROC	GRAMI	ME	
	I	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	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 Medium			4 Hig	n	5 Very High					
	LO: Learning Objectives PQ: Program Qualifications															
					<u> </u>											
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