ORGANIC CHEMISTRY									
1	Course Title:	ORGANIC CHEMISTRY							
2	Course Code:	KIM1080							
3	Type of Course:	Compulsory							
4	Level of Course:	First Cycle							
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	4.00							
8	Theoretical (hour/week):	3.00							
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. NEVİN ARIKAN ÖLMEZ							
15	Course Lecturers:	Prof. Dr. Necdet COŞKUN, Doç. Dr. Nevin ARIKAN ÖLMEZ							
16	Contact information of the Course Coordinator:	mtavasli@uludag.edu.tr +90 224 29 41 731 Uludağ Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 16059 Görükle / BURSA, TÜRKİYE							
17	Website:								
18	Objective of the Course:	The aim organic o	of the course is being able to make the classification of compounds and know the examples of these classes.						
19	Contribution of the Course to Professional Development:								
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	Being able to link some organic functional groups with textile						
		5							
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
Week	Theoretical		Practice						

1	Alkanes Molecule Geometry and Bond Angle Dash, Condensed and Bond-Line Formulas Aliphatic Alkanes (Methane, Decane)			
2	Alkyl Groups: General Formula Methyl, ethyl, n-propil, n-buthyl, n-pentil, n- hekzil,n-desil İso-propil, sec-butyl, tert-butyl, sec-pentyl, neopentyl			
3	Branched alkanes: Structural isomery Systematical nomenclature			
4	Alcohols and Ethers: Water molecule Molecular Geometry and Bond Angle Alcoholes: Dash, Condensed and Bond-Line Formulas Primer, seconder and tertier alcoholes Mono and polialcoholes, Systematical nomenclature Intermolecular Forces (H-Bond) Ethers: Dash, Condensed and Bond-Line Formulas Structural isomery			
A	00	Number	Duration (hour)	Total Work
Activit	es	Number	Duration (nour)	Load (hour)
Theore	isalmonia Molecule	14	2.00	Load (hour)
Activit Theore Practica	ikalmonia Molecule	14 0	2.00 0.00	28.00 0.00
Theore Practica Self stu	als/Labs	14 0 14	2.00 0.00 0.50	28.00 0.00 7.00
Theore Practica Self stu Homew	es ikalmonia Molecule als/Labs Byimet,pependeontertier and quaternery vorks	14           0           14           0           14           0	2.00 0.00 0.50 0.00	28.00 0.00 7.00 0.00
Theore Practica Self stu Homew Project	Alson and poliamines,	14       0       14       0       14       0       0       0       0	2.00 0.00 0.50 0.00 0.00	28.00 0.00 7.00 0.00 0.00
Theore Practica Self stu Homew Project	All Andrewski and All Andrewsk	Number       14       0       14       0       0       0       0       0       0       0       0	2.00 0.00 0.50 0.00 0.00 0.00	28.00 0.00 7.00 0.00 0.00 0.00
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Activit Theore Practica Self stu Homew Project Field St Midtern Others	in almonia Molecule als/Labs Byianat, prepender tertier and quaternery orks Mono and poliamines, Custometical permendiature Intermeleculor tudies	Number       14       0       14       0       0       0       0       1       0       0	2.00 0.00 0.50 0.00 0.00 0.00 24.00 0.00	10tal Work         Load (hour)         28.00         0.00         7.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00
Theore Practica Self stu Homew Projecta Field St Midtern Others Final E	es in almonia Molecule als/Labs Byianet, prependentertier and quaternery vorks Mono and poliamines, Lucies h exams for exams for exams for events for e	Number       14       0       14       0       0       0       0       1       0       1	2.00 0.00 0.50 0.00 0.00 0.00 24.00 0.00 34.00	10tal Work         Load (hour)         28.00         0.00         7.00         0.00         0.00         0.00         0.00         0.00         34.00
Activit Theore Practica Self stu Homew Project Field Si Midtern Others Final E Total W	es ikalmonia Molecule als/Labs Byimet, prepender ntertier and quaternery /orks Mono and poliamines, Latematical compositions intermolecular tudies n exams Molecular Geometry and Bond Angle /ork Load	Number       14       0       14       0       0       0       0       1       0       1       1       1	2.00 0.00 0.50 0.00 0.00 24.00 0.00 34.00	10tal Work         Load (hour)         28.00         0.00         7.00         0.00         0.00         24.00         0.00         34.00         93.00
Activit Theore Practica Self stu Homew Project Field Si Midtern Others Final E Total W Total w	es And Monia Molecule als/Labs Byimet, prependentertier and quaternery vorks Mono and poliamines, Custometical permendiature Intermal outlor tudies h exams Molecular Geometry and Bond Angle /ork Load Stysteardá@cahnomenclature	Number       14       0       14       0       0       0       1       0       1       0       1       0       1	2.00 0.00 0.50 0.00 0.00 0.00 24.00 0.00 34.00	10tal Work         Load (hour)         28.00         0.00         7.00         0.00         0.00         0.00         0.00         24.00         0.00         34.00         93.00         3.10
Activit Theore Practica Self stu Homew Project Field St Midtern Others Final E Total W Total W ECTS C	es in almonia Molecule als/Labs Ryianet, prependern tertier and quaternery vorks Mono and poliamines, Laternatical commenciature Laternale ular tudies n exams Molecular Geometry and Bond Angle /ork Load System da Boah nomenclature Credit of the Course	14       0       14       0       0       0       0       1       0       1       0       1	2.00 0.00 0.50 0.00 0.00 0.00 24.00 0.00 34.00	10tal Work         Load (hour)         28.00         0.00         7.00         0.00         0.00         0.00         0.00         0.00         34.00         93.00         3.10         4.00

7	Carboxylic acids and Esters: Carbonyl, Hydroxyl and Alkoxy Groups Molecular Geometry and Bond Angle Carboxylic acids : Dash, Condensed and Bond-Line Formulas Systematical nomenclature Mono and policarboxylic acids Intermolecular Forces (H-Bond) Esters: Dash, Condensed and Bond-Line Formulas Systematical nomenclature Intermolecular Forces (Dipole-Dipole Interactions) Plantal and animal oils, and vaxes	
8	Amidles: Carbonyl, Hydroxyl and Amide Groups Molecular Geometry and Bond Angle Dash, Condensed and Bond-Line Formulas Systematical nomenclature Intermolecular Forces (H-Bond and Dipole- Dipole Interactions) (Amino Acids, Proteinsr and Peptide Bonds)	
9		
10	Alkenles: Molecular Geometry and Bond Angle Dash, Condensed and Bond-Line Formulas Systematical nomenclature Geometrical Izomery (Cis-/Trans-Isomery) Intermolecular Forces (Van der Waals Interactions) Plantal Fatty Acids	
11	Aromatic Compounds: Aromaticity Benzenoid Aromatic Compounds Heterocyclic Aromatic Compounds Ortho-/meta-/para-positions	
12	Funtional Group Transformations: Determining the oxidation State Elektronegativity (C, H, O, Cl, Br)	
13	Reduction Reaction: Reductive Reactants Oxidation Reaction: Oxidative Reactants	
14	Acid-Base Reactions: Descriptions of Acid and Base Weak Acids Stronge Acids Buffer solutions	
22	Textbooks, References and/or Other Materials:	<ul> <li>G. Solomons ve C. Fryhle (Çev. Ed. G. Okay ve Y. Yıldırır), Organik Kimya, Literatür Yayınları, 2002.</li> <li>J. McMurry, Organic Chemistry, Brooks/Cole Publishing Comp., 1992.</li> <li>P. Y. Bruice, Organic Chemistry, Prentice Hall, 2001.</li> <li>R. J. Fessenden ve J. S. Fessenden (Çev. Ed. T. Uyar), Organik Kimya, Güneş Kitabevi, 1992.</li> </ul>
23	Assesment	

TERM LEARNING ACTIVITIES					N F	NUMBE R	EWE	WEIGHT								
Midterm Exam						1		40	40.00							
Quiz 0						0.0	0.00									
Home work-project 0						0.0	0.00									
Final Exam 1							60	60.00								
Total 2						2	10	100.00								
Contribution of Term (Year) Learning Activities to Success Grade						40	40.00									
Contributio	n of F	inal E	xam to	Suc	cess G	rade		60	60.00							
Total						10	100.00									
Measurement and Evaluation Techniques Used in the Course					ne											
24 EC	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	1	1	1	4	1	2	5	2	4	2	1	2	1	3	5
ÖK2	5	1	1	2	4	1	2	5	2	4	2	1	2	1	3	5
ÖK3	5	3	2	1	3	1	2	4	2	4	2	1	2	3	3	5
ÖK4	4	3	2	1	3	1	2	5	2	4	2	1	2	1	3	5
			0: L	earr	ning C	bje	ctives	s F	Q: P	rogra	im Qu	alifica	tions	5		•
Contrib ution1 very low2 lowLevel:1				3	Med	edium 4 High			5 Very High							