	ORGANIC C	HEMIS	STRY LABORATORY I							
1	Course Title:	ORGANIC CHEMISTRY LABORATORY I								
2	Course Code:	KIM2013								
3	Type of Course:	Compulsory								
4	Level of Course:	First Cycle								
5	Year of Study:	2								
6	Semester:	3								
7	ECTS Credits Allocated:	4.00								
8	Theoretical (hour/week):	0.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	4								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Prof. Dr. MUSTAFA TAVASLI								
15	Course Lecturers:	Prof.Dr. Mustafa Tavaslı Doç.Dr. Nevin Arıkan Ölmez								
16	Contact information of the Course Coordinator:	coskun@uludag.edu.tr +90 224 29 41 725 Uludağ Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 16059 Görükle / BURSA, TÜRKİYE								
17	Website:									
18	Objective of the Course:	The aim of the course is to make sure students understand organic syntheses, isolation and characterization techniques.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Learning the risks (personel and environmental) about organic compounds and use the compounds with this consciousness							
		2	Beholding practical the general properties of some organic compounds							
		3	Becoming conscious about organic synthesis							
		4	Developing of the knowledge and experience about the isolation of the product after organic synthesis							
		5	Earning the organic laboratory culture							
		6								
		7								
		8								
		9								
		10								
21	Course Content:	Course Content:								
	Course Content:									
Week	Theoretical Practice									
1	Introduction General information Safety rules									

2		lic acid from salicy	lic acid-sand							
3		- m te	Destillation - Separating of ethyl acetate and 1-butanol liquids which mixed with each other via simple and fractional distillation techniques . Quiz							
4	Chemical active extraction - Separating of the solid mixture consist of biphenyl, nitroaniline and benzoic acid via chemical active extr based on acid-base reactions . Quiz									
5		- m - th	Isolation of caffeine from tea - Isolation of caffeine from tea solvent via extraction method - Preparation of caffeine-salicylate derivative for proving the accuracy of isolated caffeine . Quiz							
6		Column and thin layer chromatography - Isolation of chlorophyl and ß-carotene from spinach via column chromatography - Applying of the isolated chlorophyl and ß-carotene to thi layer chromatography for determination of Rf values . Quiz								
7	Synthesis of sulpha drugs (First week) - Synthesis of p-Acetamidobenzenesulphonyl chlori									
Activit	es		Number	Duration (hour)	Total Work Load (hour)					
Th g ore	tical	P	øblem solving	0.00	0.00					
Practic	als/Labs		14	4.00	56.00					
Self ₀ stu	dy and preperation	L	uffinole synthesis	0.50	7.00					
Homew	vorks		0	0.00	0.00					
Project	6		Quiz	0.00	0.00					
Field S	tudies		0	0.00	0.00					
	h exams		Synthesis of pthalimide							
Others			12	0.50	6.00					
Final E		-	- Bynthesis of phenylgly 2/2400-carboxyclic a2id 00							
1.1	/ork Load				117.00					
	ork load/ 30 hr	-	Synthesis of indigo		3.90					
14	TS Credit of the Course 4.00 4 Reduction of camphore - Reduction of camphore to isoborneol via NaBH4 . Quiz									
22	Textbooks, References and/or Other Materials:	Y 2 3 5 0 1 4 Č	 G. Solomons ve C. Fryhle ;(Çev. Ed. G. Okay ve Y. Yıldırır), Organik Kimya; Literatür Yayınları, 2002. Kenneth L. Williamson ; Macroscale and Microscale Organic Experiments,; D.C. Healt and Company, 1989. Brian S. Furniss, Antony J. Hannaford, Peter W.G. Smith, Austin R. Tatchell; Vogel's Textbook of Practical Organic Chemistry,; Longman Scientific &Technical,; 1989. Ender Erdik, Metin Obalı, Nadire Yüksekışık, Atilla Öktemer, Tarık Pekel, İhsanoğlu; Denel Organic Kimya; A.Ü.F.F Döner Sermaye İşletmesi yayınları, 2000. 							
23	Assesment									

						N		E WI	WEIGHT								
Midterm Exam						1	-	25	25.00								
Quiz						1		25	25.00								
Home work-project						C)	0.0	0.00								
Final Exam							50	50.00									
Total 3							5	10	100.00								
Contribution of Term (Year) Learning Activities to Success Grade							50	50.00									
Contributio	Contribution of Final Exam to Success Grade							50	50.00								
Total							10	100.00									
Measurement and Evaluation Techniques Used in the Course							e										
24 EC	CTS /	' WO	RK L	OAD	TAB	LE											
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK3	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK4	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	
		<u>ا</u>	LO: L	earr	ning C	Dbjed	ctives	s F	PQ: P	rogra	ım Qu	alifica	tions	5		.1	
Contrib ution1 very low2 lowLevel:1				31	Med	ium	4 High			5 Very High							