ORGANIC CHEMISTRY									
1	Course Title:	ORGAN	CHEMISTRY						
2	Course Code:	TIP1003							
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:	2.50							
8	Theoretical (hour/week):	1.50							
9	Practice (hour/week):	1.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	NONE							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Öğr.Gör. Tıp Fakültesi Öğrenci İşleri							
15	Course Lecturers:	Prof. Dr. Melahat Dirican, Prof. Dr. Zehra Serdar, Prof. Dr. Emre Sarandöl, Prof. Dr. Yeşim Özarda, Doç. Dr. Arzu Yılmaztepe Oral							
16	Contact information of the Course Coordinator:	esma@uludag.edu.tr (224) 2953911 U.Ü. Tıp Fakültesi, Tıbbi Biyokimya AD, Görükle- BURSA							
17	Website:	http://tip.uludag.edu.tr/egitim11/zorunlu-ders-rehberi.doc							
18	Objective of the Course:	Organic chemistry covers a large scale of information that will help to better understand the molecular mechanisms one would meet in medical sciences. Organic chemistry classes are designed to facilitate the comprehension of the chemical structures and reactions that will be encountered in general and special biochemistry courses.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	To define the structures of organic (carbon) compounds						
		2	To know the rules in nomenclature of organic compounds						
		3	To define the macromolecular structures in living organisms						
		4	To know the laboratory equipment and methods used in biochemical analyses.						
		5							
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
\A/ ·	The second second	Co	Jurse Content:						
VVeek			Practice						
1									
2	and bonds	ucture	Glassware and laboratory equipment						

3	Aromatic compounds, alcohols, ethers, aldehydes, ketons					Sp	Spectrophotometer											
4	Carbo	Carboxy acids, amins					Ca	Carbohydrates (Fehling , Osazon, Polarimeter)										
5	Conc	Concentration, Buffers																
6	Princi	rinciples of photometry																
7	Featu	Features and structures of amino acids																
8	Reac	Reactions of amino acids																
9	Carbo classi	Carbohydrates; general features and classification																
10	Structure and features of monosaccarides																	
11	Disaccarides and polysaccarides																	
12	Struc	ture	and o	lassifi	ication	n of lipi	ds											
13	Mem	bran	ne trar	nsport														
14	Struc	ture	of nu	cleic a	acids													
22	Textbooks, References and/or Other Materials:						1. M 2. Sa 3. (1	 Harper's Illustrated Biochemistry.Murray, Grammer, Mayes, Rodwell. Appleton &Lange, 28e. Tietz textbook of Clinical Chemistry. Ashwood. Saunders (1994). Color Atlas of Biochemistry. Koolman, Röhm. Thieme. (1996). 										
23	Asses	sme	nt															
Activit	Activites					- 1 14	Number			Dura	Duration (hour)			Total Work Load (hour)				
Theore	tical	raio	~+										1.50	1.50			21.00	
Practica	Home work-project IO Practicals/Labs						14			1.00	1.00			14.00				
Self stu	elf study and preperation						1	100.00			1.00	1.00			14.00			
Homew	Homeworks							0			0.00	0.00			0.00			
Brajees	Rigests Grade								0			0.00	0.00					
Field St	tudies									0			0.00	0.00			0.00	
Midtern Total	n exar	ns							10	100.00			10.00	10.00			10.00	
Others								UT I	0			0.00	0.00			0.00		
Eioalse	xams									1			10.00			10.00		
Total W	/ork Lo	oad	1											69.00				
Total w	tal work load/ 30 hr											2.30						
ECISC		of tr	ne Co	urse												2.50		
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	P	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	B 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	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK3	5		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
ÖK4	4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	LO: Learning Objectives PQ: Program Qualifications																	

Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
ution					
Level:					