LIPIDS, LIPOPROTEINS, APOLIPOPROTEINS, LIPOPROTEIN METABOLISM DISORDERS									
1	Course Title: LIPIDS, LIPOPROTEINS, APOLIPOPROTEINS, LIPOPROTEIN								
2	Course Code:	METABOLISM DISORDERS TBK6003							
3	Type of Course:	Compulsory Third Cycle							
4	Level of Course:	Third Cycle							
5	Year of Study:	1							
6	Semester:	1 5.00							
7	ECTS Credits Allocated:	5.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	-							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Prof. Dr. EMRE SARANDÖL							
15	Course Lecturers:  Contact information of the Course	Tıp Fakültesi Tıbbi Biyokimya AD							
16	Coordinator:	sarandol@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	To teach the definition, classification, functions, metabolism and disorders of metabolism of the lipids.							
19	Contribution of the Course to Professional Development:	To examine the production, function and destruction of lipoproteins and to learn the related disorders.							
20	Learning Outcomes:								
		1	To learn the definition and classification of lipids						
		2	To learn the functions of lipids						
		3	To learn the metabolism of lipids						
		4	To learn the disorders of the metabolism of lipids						
		5							
		6							
		7							
		8							
		9							
		10							
21	Course Content:  Course Content:								
Week	Theoretical		Practice						
1	Lipids, definition and classification								
2	Fatty acids								
3	Oxidation of fatty acids								
4	Biosynthesis of fatty acids								
5	Glycerolipids								
6	Sphingolipids								

/	Polyiso	oren lip	ius					$\perp$										
8	Cholesterol biosynthesis																	
9	Biosynt	Biosynthesis of bile acids																
10	Lipopro	poproteins																
11	Apolişp	polişpoproteins																
12	Lipopro	poprotein metabolism																
13	Primary	rimary lipoprotein metabolism disorders																
14	Second	Secondary lipoprotein metabolism disorders																
22		extbooks, References and/or Other flaterials:							TIETZ TEXTBOOK OF CLINICAL CHEMISTRY, EDS: BURTIS CARL, ASHWOOD EDWARD, SAUNDERS COMPANY, 1994 HARPER'S ILLUSTRATED BIOCHEMISTRY, 27TH EDITION, EDS: ROBERT K. MURRAY, DARYL K. GRANNER, VICTOR W. RODWELL, THE MCGRAW-HILL COMPANIES, INC. 2006									
23	Assesm	ent						<u> </u>										
TERM L	LEARNING ACTIVITIES NUMBE						W	WEIGHT										
Midtern	n Exam					0		0.	0.00									
Quiz								0.	0.00									
	lome work-project 5								30.00									
Final France						1-					/	'I \	T ( 1)A	, ,				
Activit	Activites								Number Duration (hour) Total Wor Load (hou									
₹HE6PE	SHEGEST GIT ade								14			1.00			14.00			
Practic	racticals/Labs								14			2.00	2.00			28.00		
\$elastudy and preperation							10	10 <u>02</u> 00			2.00			44.00				
Homeworks							•	5						30.00				
Frojects							W	written, snort-answer qu conducted			lestions, and a final			exam are				
Field Studies							100	0			0.00			0.00				
Midterm exams									0				0.00			0.00		
Others	Others								0				0.00			0.00		
Final E	Final Exams								1 20.0				1		20.00			
Total Work Load								146.00					146.00					
Total work load/ 30 hr													4.87					
ECTS (	Credit of	the Co	urse												5.00			
25			CON	TRIE	BUTIC	N O			NING ALIFIC		COME ONS	S TO I	PROC	GRAM	ME			
	PQ <sup>2</sup>	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16		
ÖK1	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ÖK2	4	0	0	0	0	0		0	0	0	0	0	0	0	0	0		
ÖK3	5	0	0	0	0	4		0	0	0	0	0	0	0	0	0		
ÖK4	2	0	0	0	0	2		0	0	0	0	0	0	0	0	0		
			LO: L	_earr	ning (	Objec	ctives	<b>;</b>	PQ: P	rogra	am Qu	alifica	tions	<b>S</b>				

Polyisopren lipids

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