

# LIPIDS, LIPOPROTEINS, APOLIPOPROTEINS, LIPOPROTEIN METABOLISM DISORDERS

1	Course Title:	LIPIDS, LIPOPROTEINS, APOLIPOPROTEINS, LIPOPROTEIN METABOLISM DISORDERS	
2	Course Code:	TBK6003	
3	Type of Course:	Compulsory	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	1	
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:	-	
16	Contact information of the Course Coordinator:	Tıp Fakültesi Tıbbi Biyokimya AD 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
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21	Course Content:		
		<b>Course Content:</b>	
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		

<b>7</b>	Polyisopren lipids	
<b>8</b>	Cholesterol biosynthesis	
<b>9</b>	Biosynthesis of bile acids	
<b>10</b>	Lipoproteins	
<b>11</b>	Apolipoproteins	
<b>12</b>	Lipoprotein metabolism	
<b>13</b>	Primary lipoprotein metabolism disorders	
<b>14</b>	Secondary lipoprotein metabolism disorders	

<b>23</b>	Assesment
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Midterm Exam	0	0.00
Quiz	0	0.00
Home work-project	5	30.00
Final Exam	1	50.00

Success Grade			
Theoretical	14	1.00	14.00
Practicals/Labs	14	2.00	28.00
Total	100.00		
Self study and preperation	22	2.00	44.00
Homeworks	5	6.00	30.00
Course Projects	Written, short-answer questions, and a final exam are conducted.		10.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			146.00
Total work load/ 30 hr			4.87
ECTS Credit of the Course			5.00

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<b>Contribution Level:</b>	<b>1 very low</b>	<b>2 low</b>	<b>3 Medium</b>	<b>4 High</b>	<b>5 Very High</b>
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