Course Syllabus

Code - Course Title	**BYK621 - Lipid Metabolism**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. GÜLŞEN AKALIN ÇİFTÇİ

Mode of Delivery	face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	Biochemistry, molecular biology
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to Lipid Metabolism	
Week - 2		Storage Lipids	
Week - 3		Structural Lipids on membranes	
Week - 4		Lipids as Signals, Cofactors and Pigments	
Week - 5		Digestion and Transport of Lipids	
Week - 6		Oxidation of Fatty Acids	
Week - 7		Ketone Substances	
Week - 8		Biosynthesis of Fatty Acids and Eicosanoids	
Week - 9		Triaçilgliseollerin Biyosentezi	
Week - 10		Biosynthesis of Membran Phospholipids	
Week - 11		Metabolism of Cholesterol	
Week - 12		Illnesses of Cholesterol	
Week - 13		Steroids and Isoprenoids	
Week - 14		Metabolism and Illnesses of Lipoproteins	

Learning Outcomes

#	Learning Outcome
1	illustrate the sources and structure of the lipids
2	Know and Explain storage lipids
3	Explain structurel lipids in membranes
4	Explains lipids which have functions as signals, cofactors and pigments
5	Explains lizis andmoves of lipids
6	Explains oxidation of fatty acid
7	explains ketone bodies
8	Explains biosynthesis of fatty acides and eikosanoids
9	Explains biosynthesis of triacylglicerols
10	Knows and explains biosynthesis of mebrane phosholipids
11	Explains cholesterol metabolism
12	Explains illnesses which is about with cholesterol
13	Explains metabolism of steroids and isoprenoids
14	Explains lipoprotien metabolism and concerned illnesses.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.