

# THE OXIDATIVE PHOSPHORYLATION AND MITOCHONDRIAL TRANSPORT SYSTEMS

1	Course Title:	THE OXIDATIVE PHOSPHORYLATION AND MITOCHONDRIAL TRANSPORT SYSTEMS	
2	Course Code:	VBK6020	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	2.00	
8	Theoretical (hour/week):	1.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	Yok	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. MELTEM TANRIVERDİ	
15	Course Lecturers:	-	
16	Contact information of the Course Coordinator:	melcetin@uludag.edu.tr 0532 4875175 U.Ü.Veteriner Fakültesi Biyokimya ABD	
17	Website:		
18	Objective of the Course:	To be able to comprehend the use of products obtained in metabolic events in living organisms in energy generation	
19	Contribution of the Course to Professional Development:	To establish a link between oxidative phosphorylation and metabolic events, Identify the disorders related to oxidative phosphorylation, To be able to transfer the knowledge gained on oxidative phosphorylation	
20	Learning Outcomes:		
		1	To be able to describe the properties of mitochondria where oxidative phosphorylation takes place
		2	To be able to explain the enzyme systems and elements involved in oxidative phosphorylation
		3	Understanding the factors that prevent oxidative phosphorylation
		4	To be able to discuss the theories about oxidative phosphorylation
		5	To establish a link between oxidative phosphorylation and metabolic events
		6	To be able to obtain new information about oxidative phosphorylation
		7	Identify the disorders related to oxidative phosphorylation
		8	To be able to transfer the knowledge gained on oxidative phosphorylation
		9	
		10	
21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	The properties of mitochondrial membrane		



ÖK4	0	0	5	4	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			