

PROTEIN STRUCTURE AND FUNCTION

1	Course Title:	PROTEIN STRUCTURE AND FUNCTION	
2	Course Code:	TBK6001	
3	Type of Course:	Compulsory	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	9.00	
8	Theoretical (hour/week):	2.00	
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. ESMA S. GÜR	
15	Course Lecturers:	-	
16	Contact information of the Course Coordinator:	esma@uludag.edu.tr (224) 2953911 U.Ü. Tıp Fakültesi, Tıbbi Biyokimya AD, Görükle- BURSA	
17	Website:		
18	Objective of the Course:	Proteins are important molecules as structural and functional elements in living organisms. It is crucial to understand protein structure, function and the relation between them, in order to understand the basic structure and operation of the body. The aim of this course is to teach the structural and functional features of proteins in human body in an advanced level.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	To explain protein structure
		2	To list functions of proteins
		3	To explain the mechanism of protein denaturation
		4	To explain the structure of amino acids as building blocks of proteins
		5	To explain the endogeneous amino acid synthesis pathways
		6	To explain the degradation of amino acids
		7	To explain the disorders in amino acid synthesis and degradation in a causal link
		8	To list the serum proteins in order of their electrophoretic mobility
		9	To relate the variations in concentration of plasma proteins with the clinical course
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Properties of amino acids (I)	Detection of proteins by boiling	

ÖK5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	5	5	0	0	0	0	2	3	0	0	0	0	0	0	0	0
ÖK8	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK9	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

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