	PROT	EIN B	IOCHEMISTRY								
1	Course Title:	PROTEI	N BIOCHEMISTRY								
2	Course Code:	BIO5405									
3	Type of Course:	Optional									
4	Level of Course:	Second Cycle									
5	Year of Study:	1									
6	Semester:	1									
7	ECTS Credits Allocated:	6.00									
8	Theoretical (hour/week):	3.00									
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	None									
12	Language:	Turkish									
13	Mode of Delivery:	of Delivery: Face to face									
14	Course Coordinator:	Doç. Dr. EGEMEN DERE									
15	Course Lecturers:	Prof.Dr. Ferda ARI									
16	Contact information of the Course Coordinator:	Doç. Dr. Egemen DERE Bursa Uludağ Üniversitesi Fen Ed. Fak Biyoloji Bl. Moleküler Biyoloji Anabilim Dalı Tel: 0 224 41792 edere@uludag.edu.tr									
17	Website:										
18	Objective of the Course:	The aim of the course is to comprehend the metabolic importance of proteins to students. It is to provide understanding of protein tasks in biological systems.									
19	Contribution of the Course to Professional Development:	Proteins are important molecules in our diet. Animals cannot synthesize every amino acid. They have to take these molecules, known as essential amino acids, through food. Proteins are involved in many metabolic events such as cell communication, immune response, and cell division. Students attending the course learn the structure and functions of proteins. They can better evaluate the results of the experiment.									
20	Learning Outcomes:										
		1	Students can grasp the structure of amino acids and their importance								
		2	Student can understand the formation of peptide and the task and structure of important peptides.								
		3	Student can understand the task of peptide hormones								
		4	Students can grasp the protein synthesis and their regulations								
		5	Student can understand protein folding								
		6	Students can understand non-ribosomal protein synthesis								
		7	Students can grasp the role of antigen and anti-core of protein								
		8	Student can understand the purification of proteins and their obtain								
		9	Students can grasp metabolism of amino acids and protein								
		10									
21	Course Content:										
	Course Content:										

Week	Theo	eoretical									Practice									
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2	Peptic import				nd pro	perties	, biolo	ogical												
3	Peptic	e hori	mone	es																
4	React	ions o	f am	ino a	acids															
5	Genet regula		le, sy	ynthe	esis of	f protei	n and													
6	Protei	n targ	eting	g, cha	apero	n in pro	otein f	olding	,											
7	Exam gener				exam	ninatior	n ques	tions,												
8	Prime	r, seco	onda	ary ar	nd ter	tiary fo	lding													
9						structur t protei														
10	Bioact the rib			es, s	ynthe	sis by v	way o	ut of												
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ÖK8	4	0	4	4	3	5	3	3	2	0	0	0	0	0	0	0	
ÖK7	4	0	4	4	3	5	3	3	2	0	0	0	0	0	0	0	
ÖK6	4	0	4	4	3	5	3	3	2	0	0	0	0	0	0	0	
ÖK5	4	0	4	4	3	5	3	3	2	0	0	0	0	0	0	0	
ÖK4	5	0	4	4	3	5	3	3	2	0	0	0	0	0	0	0	
ÖK3	4	0	3	4	4	5	2	2	2	0	0	0	0	0	0	0	