	PROTEIN BIOCHEMISTRY											
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: Face to face											
14	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:	synthesi known a in many response structure	are important molecules in our diet. Animals cannot ze every amino acid. They have to take these molecules, s essential amino acids, through food. Proteins are involved metabolic events such as cell communication, immune e, and cell division. Students attending the course learn the e and functions of proteins. They can better evaluate the f 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	The	eoretical					Р	ractice							
1	non	mino acids, standard ar cture not co	nino acid												
2		otide structu ortant pepti		ropertie	s, bic	ological									
3	Pep	tide hormor	nes												
4	Rea	actions of ar	mino acid	s											
5		netic code, s ulation	synthesis	of prote	in an	d									
6	Pro	tein targetin	g, chape	ron in pı	rotein	folding,									
7		nm and answeral discuss		aminatio	n que	estions,									
8	Prir	ner, second	ary and t	ertiary fo	olding)									
9		ssification o				nd									
10		active peption	des, synt	hesis by	way	out of									
11	Fea	ture of antio	gen-antib	ody of p	roteir	ns,									
12		tein isolation													
13		ee-dimensionstallography		ture and	t										
14	Met	abolism of a	amino ac	id and p	roteir	١.									
Activit								Numb	· · · · · · · · · · · · · · · · · · ·					Total V Load (
Theore							В	i ₫∉ hemi	istry, T	homas	N3.Ø€∨	lin		42.00	
Practic								0			0.00			0.00	
TEDMI	EAE	and prepera	tion /ITIES			NIIMDE	١٨	14 EIGHT			5.00			70.00	
Homew								2			15.00			30.00	
Midject						1	2	5100			15.00			15.00	
Field S	tudie	es						0			0.00			0.00	
Mioohteen	wœk	apmoject				2	1:	5100			2.00			2.00	
Others								5			4.00			20.00	
Fiotal E						4	1	00.00			3.00			3.00	
Total W	-													182.00	
Total Work 1898/30 hr														6.07	
ECTS Credit of the Course														6.00	
Total							1	00.00							
Measur Course		ent and Eva	luation To	echnique	es Us	ed in the	Н	omewo	rk, ora	l and cl	assical	exam			
24	EC	TS / WOF	RK LOA	D TAE	BLE										
25		(CONTR	IBUTI(ON C			NING (S TO I	PROC	GRAM	ME	
		PQ1 PQ2	PQ3 PG	4 PQ5	PQ	6 PQ7	PQ	8 PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16

25		CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS														
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	3	0	3	4	3	5	2	2	2	0	0	0	0	0	0	0
ÖK2	3	0	3	4	3	5	2	2	2	0	0	0	0	0	0	0

LO: Learning Object Contrib 1 very low 2 low ution					ī	s F Med			ım Qu 4 Hig	l ıalifica h	itions		y High			
ÖK9	4	0	4	4	3	5	5	3	3	2	0	0	0	0	0	0
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