	PROT	EIN B	IOCHEMISTRY						
1	Course Title:	PROTEI	N BIOCHEMISTRY						
2	Course Code:	BIO 540	5						
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 1	face						
14	Course Coordinator:	Doç. Dr.	EGEMEN DERE						
15	Course Lecturers:	Doç.Dr.	Ferda ARI						
16	Contact information of the Course Coordinator:	0 224 29	9 41792 / e-posta: edere@uludag.edu.tr						
17	Website:								
18	Objective of the Course:	proteins	n of the course is to comprehend the metabolic importance of s to students. It is to provide understanding of protein tasks in cal systems.						
19	Contribution of the Course to Professional Development:								
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:								
		Co	ourse Content:						
	Theoretical		Practice						
1	1 Amino acids, Modify amino acids, nonstandard amino acids that proteil structure not contain -	า							
2	Peptide structures and properties, bi important peptides	ological							

3	Peptide																
4	Reaction	ns of a	mino a	acids													
5	Genetion regulation		synthe	esis of	f protei	n and											
6	Protein	targetir	ng, cha	apero	n in pro	otein f	olding	,									
7	Exam a genera			exan	nination	n ques	stions,										
8	Primer,	second	dary ar	nd ter	tiary fo	lding											
9	Classifi function																
10	Bioactive the ribo		des, s	ynthe	sis by	way o	ut of										
11	Feature	of anti	gen-aı	ntiboc	ly of pr	oteins	ί,										
12	Protein isolation and purification Fragmentation of proteins,																
13																	
14	Metabo	lism of	amino	acid	and pr	otein.											
Textbooks, References and/or Other Materials:							Pr Bio	Principles of Biochemistry, Lehninger, Nelson and Cox Principles of Biochemistry, Geoffrey Zubay Biochemistry, Mathews van Holde Biochemistry, Thomas M. Devlin									
Activit	lAssesn t es	nent							Number Duration (hou						Total Work Load (hour)		
Theore	etical					0		0.0	38			3.00			42.00		
	als/Labs	;							0			0.00			0.00		
Selfet	idy and	prepera	ition			1		50	1 .0 0			7.00			98.00		
Homew									2			20.00			40.00		
Ecologic	Sution of	Term (`	Year) l	Learn	ing Act	tivities	to	50	1.00			15.00			15.00		
Field S	tudies								0			0.00			0.00		
Clicatens	M POOR POOR	Final E	xam to	Suc	cess G	rade			100			2.00			2.00		
Others									7			6.00			42.00		
Final Exams Measurement and Evaluation Techniques Used in the						e	1			3.00			3.00				
T		Total Work Load To24 wE075/3WORK LOAD TABLE													242.00		
Total W	Vork Loa		DK I		TAB	TE									0.07		
Total W	Vork Loa	/3WQ		OAD	TAB	LE									8.07 6.00		
Total W	Vork Loa	//3//10 the Co	urse				-,-	A D:	III. C	OUTO		2 70 :	2001		6.00		
Total W	Vork Loa	//3//10 the Co	urse						IING (_	S TO I	PROC		6.00		
Total W	Vork Loa	//3//10 the Co	urse CON	TRIE	BUTIC	N OI		QUA	LIFIC	ATIO	NS	S TO I			6.00 ME	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
ÖK3	4	0	3	4	4	5	2	2	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

Contrib 1 very low ution Level:		2 low			3 Medium			4 High			5 Very High					
LO: Learning Objectives PQ: Program Qualifications																
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