ENZYMOLOGY								
1	Course Title:	ENZYMOLOGY						
2	Course Code:	TIP2072						
3	Type of Course:	Optional						
4	Level of Course:	First Cycle						
5	Year of Study:	2						
6	Semester:	4						
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:	None						
12	Language:	Turkish						
13	Mode of Delivery:	Face to face						
14	Course Coordinator:	Öğr.Gör. Tıp Fakültesi Öğrenci İşleri						
15	Course Lecturers:	Prof. Dr. Esma GÜR						
16	Contact information of the Course Coordinator:	esma@uludag.edu.tr (224) 2953911 U.Ü. Tıp Fakültesi, Tıbbi Biyokimya AD, Görükle- BURSA						
17	Website:	http://tip.uludag.edu.tr/egitim11/secmeli-ders-rehberi.doc						
18	Objective of the Course:	Enzymes have vital roles in healthy development and function of living organisms. Moreover, enzymes are valuable parameters for diagnosis and treatment of many clinical situations. It is very important to understand the structure, mechanism of action and the principles in enzyme action to evaluate the enzymatic reactions in the organism. The aim of this course is to explain the enzyme structure, priciples of enzymatic reactions, isoenzymes and their importance as well as enzyme inhibition and to review methods in enzyme activity measurement.						
19	Contribution of the Course to Professional Development:							
20	Learning Outcomes:	Learning Outcomes:						
		To explain the enzyme structure and enzyme action						
		2	To define the roles of cofactors in enzymatic reactions					
		3	To explain the importance of enzymes that have special value in clinical diagnosis and follow up					
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		5						
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		9						
0.4	Course Content	10						
21	Course Content:	0-	vivos Contenti					
Mook	Course Content: Theoretical Practice							
1	Enzyme structure and features Practice							
	Enzymo structure and reatures							

2	The p	orinc	liples	of enz	zymat	ic catal	lysis										
3	Cofactors																
4	Cofactors																
5	Enzyme inhibition-l																
6	Enzyme inhibition-II																
7	Regulation of enzyme activity																
8	Isoenzymes-I																
9	Isoenzymes-II																
10	Isoenzymes in clinical practice-I																
11	Isoenzymes in clinical practice-II																
12	Enzymes in diagnosis-I																
13	Enzy	mes	in dia	ignosi	s-II												
14	Meth	ods	in me	asurin	g enz	yme a	ctivity										
22	Materials:							Ma 2. (1) 3.	1.Harper's Illustrated Biochemistry.Murray, Grammer, Mayes, Rodwell. Appleton &Lange, 28e. 2.Tietz textbook of Clinical Chemistry. Ashwood. Saunders (1994). 3.Color Atlas of Biochemistry. Koolman, Röhm. Thieme. (1996).								
23	Asse	sme	nt														
	Activites NUMBE							Number			Dura	Duration (hour)			Total Work Load (hour)		
Theore	tical	roio	ot				0			0.00			1.00			14.00	
	me work-project 10 (acticals/Labs								0			0.00			0.00		
Self stu	Self study and preperation 2 1							1/	100,00			1.50			21.00		
	omeworks								0			0.00	0.00			0.00	
Brojees	øjests Grade								0			0.00			0.00		
Field St	d Studies								0			0.00			0.00		
Midtern Total	erm exams							10	100.00			14.00			14.00		
Others	rs .								0						0.00		
Eioal se	Exams							1 6.00			6.00						
	Work Load							55.00									
Total w													1.83				
ECTS (CTS Credit of the Course 2.00																
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	Р	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5		4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	,	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0)	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
			L	O: L	.earn	ing C	bjec	tives	s I	PQ: P	rogra	m Qu	alifica	tions	<u> </u>	1	
<u> </u>																	

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