

# 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:	<a href="http://tip.uludag.edu.tr/egitim11/secmeli-ders-rehberi.doc">http://tip.uludag.edu.tr/egitim11/secmeli-ders-rehberi.doc</a>
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, principles 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:	
	1	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
	4	
	5	
	6	
	7	
	8	
	9	
	10	
21	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
1	Enzyme structure and features	



<b>Contribution Level:</b>	<b>1 very low</b>	<b>2 low</b>	<b>3 Medium</b>	<b>4 High</b>	<b>5 Very High</b>
----------------------------	-------------------	--------------	-----------------	---------------	--------------------