

# GENERAL BIOCHEMISTRY

1	Course Title:	GENERAL BIOCHEMISTRY	
2	Course Code:	TLTZ103	
3	Type of Course:	Compulsory	
4	Level of Course:	Short Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
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. Dr. Elif ERTÜRK	
15	Course Lecturers:	-	
16	Contact information of the Course Coordinator:	Öğr.Gör.Dr. Elif ERTÜRK Bursa Uludağ Üniversitesi, Sağlık Hizmetleri MYO, Görükle Kampüsü, Nilüfer/BURSA	
17	Website:		
18	Objective of the Course:	To teach the skills of general biochemistry	
19	Contribution of the Course to Professional Development:	Students will be able to recognize the necessary biochemical concepts related to their field and use them in a multidisciplinary study.	
20	Learning Outcomes:		
		1	To define basic concepts in biochemistry
		2	A knowledge of the main compounds of biochemical
		3	Understanding the principles of tests used in the analysis of biochemical parent compounds
		4	To be able to describe the structure of amino acids and proteins
		5	To be able to describe the properties and structures of carbohydrates
		6	To be able to describe the structure and properties of lipids
		7	To be able to describe the structures and properties of enzymes, vitamins and minerals
		8	To be able to describe the properties and structures of nucleic acids
		9	To be able to describe the properties and structures of hormones
		10	
21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	Carbohydrates and methods of analysis		
2	Carbohydrates and methods of analysis		
3	Lipids and methods of analysis		

4	Lipids and methods of analysis	
5	Proteins and analysis methods	
6	Proteins and analysis methods	
7	Enzymes and methods of analysis	
8	Enzymes and methods of analysis	
9	Nucleic Acids	
10	Nucleic Acids	
11	Minerals	
12	Vitamins	
13	Hormones	
14	Hormones	

22	Textbooks, References and/or Other Materials:	Basic and Clinical Professor of Biochemistry Textbook. Prof. Dr. Bahattin Adam Istanbul / Atlas Publishing  Lippincott Biochemistry Author (s) Harvey, Ferrier Translated by (s) Prof. Dr. Engin Ulukaya
----	---	--

23	Assesment	
----	-----------	--

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	40	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preparation	60	2.00	20.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Measurement and Evaluation Techniques Used in the Student participation in the course, midterm and final	0	0.00	0.00
Field Studies	0	0.00	0.00

24	<b>ECTS / WORK LOAD TABLE</b>		
Midterm exams	1	15.00	15.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			98.00
Total work load/ 30 hr			2.77
ECTS Credit of the Course			3.00

25	<b>CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS</b>															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	4	2	2	1	2	3	1	2	1	2	2	0	0	0	0
ÖK2	3	4	1	1	2	2	2	1	2	1	1	1	0	0	0	0
ÖK3	2	2	3	2	2	1	1	2	1	2	2	1	0	0	0	0
ÖK4	1	2	2	2	2	1	3	2	1	2	1	2	0	0	0	0

ÖK5	4	3	3	2	1	2	3	1	2	1	1	2	0	0	0	0
ÖK6	2	2	1	1	3	3	2	2	2	2	1	1	0	0	0	0
ÖK7	1	1	2	2	3	2	3	2	1	1	1	1	0	0	0	0
ÖK8	3	4	3	2	2	1	1	2	1	1	2	3	0	0	0	0
ÖK9	3	2	4	3	3	3	1	2	2	1	1	2	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			