

BIOCHEMISTRY TESTS AND CLINICAL IMPORTANCE

1	Course Title:	BIOCHEMISTRY TESTS AND CLINICAL IMPORTANCE	
2	Course Code:	TIP2128	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	3	
7	ECTS Credits Allocated:	3.00	
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:	Prof. Dr. ZEHRA SERDAR	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	zserdar@uludag.edu.tr 2953914 Uludağ Üniversitesi Tıp Fakültesi, Temel Tıp Bilimleri Binası, Tıbbi Biyokimya Anabilim Dalı, 16059	
17	Website:		
18	Objective of the Course:	To give information about the principles, purposes of use and clinical importances of clinical biochemistry tests	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	In the laboratory, working principles and to be able to describe the importance of obtaining correct results To explain the principle, purpose of use and clinical importance of hematologic tests
		2	To explain the principle, purpose of use and clinical importance of coagulation tests
		3	To explain the principle, purpose of use and clinical importance of electrophoresis tests
		4	To explain the principle, purpose of use and clinical importance of urine and fecal tests
		5	To explain the principle, purpose of use and clinical importance of body fluids
		6	To explain the principle, purpose of use and clinical importance of disease markers
		7	To explain the principle, purpose of use and clinical importance of allergy tests
		8	To explain the principle, purpose of use and clinical importance of dynamic tests

	9	To explain the principle, purpose of use and clinical importance of hormone tests
	10	To explain the principle, purpose of use and clinical importance of emergency laboratory tests
21	Course Content:	
Course Content		
Theoretical		Practice
1. Introduction of clinical biochemistry laboratory 2. Hematological tests and clinical importance 3. Coagulation tests and clinical importance 4. Electrophoresis tests and clinical importance I 5. Electrophoresis tests and clinical importance II 6. Urine tests and clinical importance 7. Fecal tests and clinical importance 8. Body fluids and cerebrospinal fluid analyses and clinical importance 9. Disease markers and clinical importance 10. Allergy testleri tests and clinical importance 11. Dynamic tests and clinical importance 12. Hormone tests and clinical importance I 13. Hormone tests and clinical importance II 14. Emergency laboratory tests and clinical importance		
22	Textbooks, References and/or Other Materials:	1- Tietz NW. Guide to Laboratory Tests. Third Edition. W.B. Saunders Company. 1995. 2- Ravel R. Clinical Laboratory Medicine; Clinical Application of Laboratory Data. Sixth Edition. Mosby. 1995. 3- Anderson SC, Cockayne S. Clinical Chemistry; Concepts and Applications. W.B. Saunders Company. 1993.
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
		WEIGHT
Midterm Exam		1
Quiz		0
Home work-project		0
Final Exam		1
Total		2
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	17.00	17.00
Others	0	0.00	0.00
Final Exams	1	17.00	17.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	4	0	4	5	4	0	0	0	3	3	0	0	0	5	0
ÖK2	3	4	0	4	5	4	0	0	0	3	3	0	0	0	5	0
ÖK3	3	4	0	4	5	4	0	0	0	3	3	0	0	0	5	0
ÖK4	3	4	0	4	5	4	0	0	0	3	3	0	0	0	5	0
ÖK5	3	4	0	4	5	4	0	0	0	3	3	0	0	0	5	0
ÖK6	3	4	0	4	5	4	0	0	0	3	3	0	0	0	5	0
ÖK7	3	4	0	4	5	4	0	0	0	3	3	0	0	0	5	0
ÖK8	3	4	0	4	5	4	0	0	0	3	3	0	0	0	5	0
ÖK9	3	4	0	4	5	4	0	0	0	3	3	0	0	0	5	0
ÖK10	3	4	0	4	5	4	0	0	0	3	3	0	0	0	5	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			