

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
BASIC CLINICAL BIOCHEMISTRY	TLT2218080	Spring Semester	2+4	4	6
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Assist.Prof. Neziha HACIHASANOĞLU ÇAKMAK				
Name of Lecturer(s)	Assist.Prof. Neziha HACIHASANOĞLU ÇAKMAK				
Assistant(s)					
Aim	To train competent technicians in clinical biochemistry laboratory applications.				
Course Content	This course contains; Blood Analyzes (I),Blood Analyzes (II),Blood Analysis (III),Body Fluids Analysis (I),Body Fluids Analysis (II),Enzyme Analysis,Plasma Proteins,Liver Function Tests,Kidney Function Tests,Pancreatic Function Tests,Urine Analysis (I),Urine Analysis (II),Urinary System Stones Analysis,Cancer Markers.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Defines laboratory measurement methods.			16, 6, 9	A, C	
Summarizes sample acceptance, sampling methods, sample storage conditions.			16, 6, 9	A, C	
Explains how blood analysis, urine analysis, liver, pancreas and kidney function tests are performed.			16, 6, 9	A, C	
Teaching Methods	16: Question - Answer Technique, 6: Experiential Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, C: Multiple-Choice Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Blood Analyzes (I)	Studying the relevant section in the relevant source			
2	Blood Analyzes (II)	Studying the relevant section in the relevant source			
3	Blood Analysis (III)	Studying the relevant section in the relevant source			
4	Body Fluids Analysis (I)	Studying the relevant section in the relevant source			
5	Body Fluids Analysis (II)	Studying the relevant section in the relevant source			
6	Enzyme Analysis	Studying the relevant section in the relevant source			
7	Plasma Proteins	Studying the relevant section in the relevant source			
8	Liver Function Tests	Studying the relevant section in the relevant source			
9	Kidney Function Tests	Studying the relevant section in the relevant source			
10	Pancreatic Function Tests	Studying the relevant section in the relevant source			
11	Urine Analysis (I)	Studying the relevant section in the relevant source			
12	Urine Analysis (II)	Studying the relevant section in the relevant source			
13	Urinary System Stones Analysis	Studying the relevant section in the relevant source			
14	Cancer Markers	Studying the relevant section in the relevant source			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Sağlık Bilimleri için Biyokimya (Dr. Öğr. Üyesi Neziha HACIHASANOĞLU ÇAKMAK)