

Vocational School / Medical Laboratory Techniques

2023 - 2024 Academic Year

PRACTICES of BASIC LABORATORY II

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
PRACTICES of BASIC LABORATORY II	TLT2215379	Spring Semester	0+6	3	10
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)	Lect.Dr. Özcan AVCI				
Assistant(s)					
Aim	It is aimed to train technicians who know the applications in Clinical Biochemistry laboratory.				
Course Content	This course contains; Blood collection and sample acceptance-1,Blood collection and sample acceptance-2,Serum separation and biochemical analysis-1,Serum separation and biochemical analysis-2,Hormone analysis-1,Hormone analysis-2,Urine and stool analysis-1,Urine and stool analysis-2,Solution and kit preparation-1,Solution and kit preparation-2,Blood gases and electrolyte analysis-1,Blood gases and electrolyte analysis-2,Elisa device and spectrophotometric measurements-1,Elisa device and spectrophotometric measurements-2.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Transfers the applications made in the Clinical Laboratory.Expresses the rules to be considered in the clinical laboratory.Performs applications in the clinical laboratory.			6	A, H	
Expresses the rules to be considered in the clinical laboratory.			6	A, H	
Performs applications in the clinical laboratory.			6	A, H	
Teaching Methods	6: Experiential Learning				
Assessment Methods	A: Traditional Written Exam, H: Performance Task				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Blood collection and sample acceptance-1				
2	Blood collection and sample acceptance-2				
3	Serum separation and biochemical analysis-1				
4	Serum separation and biochemical analysis-2				
5	Hormone analysis-1				
6	Hormone analysis-2				
7	Urine and stool analysis-1				
8	Urine and stool analysis-2				
9	Solution and kit preparation-1				
10	Solution and kit preparation-2				
11	Blood gases and electrolyte analysis-1				
12	Blood gases and electrolyte analysis-2				
13	Elisa device and spectrophotometric measurements-1				
14	Elisa device and spectrophotometric measurements-2				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			
Resources					
Application Course					