

Vocational School of Health Services / Medical Laboratory Techniques

2023 - 2024 Academic Year

HEMATOLOGY LABORATORY

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
HEMATOLOGY LABORATORY	TLT2278110	Spring Semester	2+0	2	6
Prerequisites Courses					
Recommended Elective Courses	None				
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Assist.Prof. Hülya BİLGEN				
Name of Lecturer(s)	Assist.Prof. Hülya BİLGEN				
Assistant(s)					
Aim	To train technicians who are applications aware for hematology laboratory.				
Course Content	This course contains; Introduction to hematology,Approach to hematology patient,Hematopoiesis,Erythrocyte disease, blood groups and transfusion.,Leucocyte and diseases,Platelet and diseases,Cuagulation systems and disorders,Myeloproliferative diseases,Multiple myeloma,Lymphoproliferative diseases,Lymphoma,Hematological tests and significance,Bone marrow aspiration and transplantation,Peripheral blood smear.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1. Recognize the subjects of hematology, hematopoiesis, erythrocyte diseases, blood groups and blood tranfusion.			16, 9	A	
2. Identify leukocyte, platelet and platelet diseases and lymphoma.			13, 16, 9	A	
3. Recognize hematological tests.			16, 9	A	
4. Recognize peripheral blood smear.			16, 9	A	
Teaching Methods	13: Case Study Method, 16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	Introduction to hematology				
2	Approach to hematology patient				
3	Hematopoiesis				
4	Erythrocyte disease, blood groups and transfusion.				
5	Leucocyte and diseases				
6	Platelet and diseases				
7	Cuagulation systems and disorders				
8	Myeloproliferative diseases				
9	Multiple myeloma				
10	Lymphoproliferative diseases				
11	Lymphoma				
12	Hematological tests and significance				
13	Bone marrow aspiration and transplantation				
14	Peripheral blood smear				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Instructor's lecture notesHaematology laboratory leaflets, books