

Vocational School / 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
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>	None				
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	Short Cycle (Associate's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Assist.Prof. Hülya BİLGEN				
<b>Name of Lecturer(s)</b>	Lect. Sibel ÖZALP				
<b>Assistant(s)</b>					
<b>Aim</b>	To train technicians who are applications aware for hematology laboratory.				
<b>Course Content</b>	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.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
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	
<b>Teaching Methods</b>	13: Case Study Method, 16: Question - Answer Technique, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam				
<b>Lecture Schedule</b>					
<b>Sequenc e</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
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				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

Resources
Instructor's lecture notesHaematology laboratory leaflets, books