

Vocational School / Medical Laboratory Techniques

2023 - 2024 Academic Year

IMMUNOLOGICAL METHODS

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
IMMUNOLOGICAL METHODS	TLT2178090	Fall Semester	2+4	4	7
Prerequisites Courses					
Recommended Elective Courses	Do not exist				
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Assist.Prof. Hülya BİLGEN				
Name of Lecturer(s)	Lect. Sibel ÖZALP				
Assistant(s)					
Aim	To give basic information about immunology, to have knowledge about immunology evaluations in laboratory.				
Course Content	This course contains; Introduction to immunology,Natural Immunity,Post-gained immunity,Immune system components,Vaccines,Immunological Diagnostic Methods 1,Immunological Diagnostic Methods 2,Immunohematological tests,Antiglobulin tests,Flow Cytometry,Student presentation,Tumor immunology,Stem cell II,Stem Cell II.				
Course Learning Outcomes		Teaching Methods	Assessment Methods		
1. Define immunology.		10, 16, 9	A		
2. Performs immunological tests.		10, 16, 9	A		
Teaching Methods	10: Discussion Method, 16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Introduction to immunology				
2	Natural Immunity				
3	Post-gained immunity				
4	Immune system components				
5	Vaccines				
6	Immunological Diagnostic Methods 1				
7	Immunological Diagnostic Methods 2				
8	Immunohematological tests				
9	Antiglobulin tests				
10	Flow Cytometry				
11	Student presentation				
12	Tumor immunology				
13	Stem cell II				
14	Stem Cell II				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources

Instructor's lecture notes.Roitt's Essential Immunology book