

International School of Medicine / Medicine (English)

2023 - 2024 Academic Year

BIOCHEMISTRY

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
BIOCHEMISTRY	ISM3012423	Yearly	3+0	0	1
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Committee Course				
Course Coordinator	Assoc.Prof. Sultan Sibel ERDEM				
Name of Lecturer(s)	Assoc.Prof. Sultan Sibel ERDEM, Assoc.Prof. Saime BATIREL, Assist.Prof. Nihan VERİMLİ				
Assistant(s)	Assoc. Prof. Dr. Saime Batirel				
Aim	To teach the importance of proteins, enzymes, lipoproteins in clinical biochemistry and their role in monitoring the diagnosis and treatment of diseases. The role of lipoproteins in the diagnosis and treatment of atherosclerosis, other factors in atherosclerosis, blood glucose elevation, regulation, liver function tests, oral glucose tolerance test, bilirubin measurement, and the importance and importance of blood gases in clinical biochemistry.				
Course Content	This course contains; Tumor Biochemistry,Plasma Proteins and Immunoglobulins-,Taking the laboratory sample under appropriate conditions and transporting it to the laboratory-.				
Course Learning Outcomes				Teaching Methods	Assessment Methods
Teaching Methods					
Assessment Methods					
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Tumor Biochemistry	none			
2	Plasma Proteins and Immunoglobulins-	none			
3	Taking the laboratory sample under appropriate conditions and transporting it to the laboratory-	none			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
1.Basic and Applied Biochemistry (Nesrin Emekli), 2.Biochemistry (Fügen Gürdöl ve Evin Ademoğlu), 3.Biochemistry Laboratory(Türkan Yiğitbaşı,Nesrin Emekli). 4.Harper's Biochemistry, 5.Lehninger Principles of Biochemistry, 6.Henry's Clinical Diagnosis and Management by Laboratory Methods.