

DEPARTMENT FOR MEDICAL CHEMISTRY AND BIOCHEMISTRY

(Performance plan – hours: academic year 2023/.2024.)

Head of department: Prof. Ivanka Mikulić, PhD

UNIVERSITY OF MOSTAR SCHOOL OF MEDICINE		INTEGRATED UNIVERSITY STUDY	
SOURCE:	Clinical Biochemistry		
Year: II	Semester:	III	
Course Level:			ECTS Points: 1,5
Course Status:	Class form: total 25 hours (L+S+V:15+8+2)		

Signature Requirements: Regular attendance of lectures, seminars
 Consultation terms: by agreement

Scheduled lessons: 24.6.2024. – 26.6 2024.

Teachers: Prof. Ivanka Mikulić, PhD
 Ass. Prof. Vinka Mikulić, PhD
 Ass. Prof. Ivana Lapić, PhD
 Kristina Ljubić, mag. chem.
 Ana Ćuk, mag. forensic and mol.biology
 MSE – Classroom for Medical Studies in English

Date/Day/ Time	Theme	L S	Group	Teacher/ associate	Classroom
June 24th. 2024. (Monday)					
08:30-09:15	Electrolytes and body fluids	L1	A	Ivana Lapić	MSE
09:30-10:15	Trace elements	L2	A	K Ljubić	
10:15- 11:00	Acid-base balance	L3		KLJ	
11:30-13:00	Clinical Biochemistry od diabetes	L4,5	A	IL	
13:00-13:45	Molecular genetics and diagnosis of hereditary disease	L6	A	Ana Ćuk	
15:00-15:45	Serum markers of tumor growth	L7	A	Ana Ćuk	
15:45-17:15	Seminars	S3,4	A	AC	
June 25th. 2024. (Tuesday)					

08:30-10:00	Clinical diagnosis of hormones, thyroid hormones and katecolamines	L78,9	A	Ivanka Mikulić	MSE
10:30-11:15	Laboratory diagnosis of steroid hormones	L10	A	IM	
11:15-12:45	Seminars	S1,2	A	IM	
12:45-13:30	Laboratory diagnosis of kidney disease	L11	A	Ivana Lapić	
13:30-14:15	Laboratory diagnosis od allergies	L12	A	Vinka Mikulić	
14:15-15:00	Clinical toxicology	L13	A	IL	
June 26th. 2024.(Wednesday)					
08:30-09:15	Laboratory diagnosis of cardiovascular disease	L14	A	Kristina LJ	MSE
09:15-10:45	Seminars	S5,6	A	Kristina LJ	
11:15 – 12:00	Laboratory diagnosis of calcium, PTH, and vitamine D	L15	A	Vinka M	
12:00-13:30	Seminars	S7,8	A	Vinka M	
13:45-15:15	Laboratory practice	V1,2	A	Vinka M	

Literature (2023./2024.)

Required literature:

For the course Medical Biochemistry is necessary:

1. Murray RK, Bender DA, Botham KM, Kennelly PJ, Rodwell VW and Weil A.; Harper's Illustrated Biochemistry , 31ST EDITION, 2018.
2. Streyer L. Biochemistry, 6th ed. WH Freeman and Company, New York, 2011.

Optional literature:

1. Streyer L. Biochemistry, 5th ed. WH Freeman and Company, New York, 2001.
2. Michael Lieberman, Allan D. Marks, Colleen Smith: Mark'S Basic Medical Biochemistry , 2005

I. TOPICS OD LECTURES

a) The main learning guide are PP presentations complete lectures from biochemistry.

b) According to requied literature

SEMINARS

Solving tasks and issues after certain thematic units; individual presentations of the seminar work of the respective subject, of each individual student.