

**SYLLABUS: ENVIRONMENTAL HEALTH AND
OCCUPATIONAL MEDICINE, ACADEMIC YEAR 2024/2025**

SCHOOL OF MEDICINE UNIVERSITY OF MOSTAR

Syllabus

**ENVIRONMENTAL HEALTH AND
OCCUPATIONAL MEDICINE**

Academic year 2025/2026

Course Director

Prof. Krunoslav Capak, MD,
PhD

I. GENERAL INFORMATION ABOUT THE COURSE

Hours of lectures: 20
Hours of seminars: 20
Hours of practice: 20
Total hours: 60

Course duration: 6.5.2026 –19.5.2026

TEACHING STAFF

Prof. Krunoslav Capak, MD, PhD
Ass.prof. Marija Bubaš, MD, PhD
Ass.prof. Pavle Jeličić, MD, PhD
Boženka Galić, MD
Sladana Šarac, MSc. Eng.

Occupational health specialists (2) working in occupational health clinics

In the logbook students need to enter the name of course director, Prof. Krunoslav Capak, MD, PhD.

TEACHING BASE

School of Medicine University of Mostar
Lectures and seminars are held in the School of Medicine
Practice is held at the Mostar Institute of Public Health Laboratory for testing food safety, and Laboratory for testing water safety, and Mostar Health Centre for occupational medicine

EXAM

The exam consists of a written and oral part. In order to take the oral exam, students will need to pass the written exam first.

REQUIRED LITERATURE

1. Krunoslav Capak, Marija Bubaš,ur. ZDRAVSTVENA EKOLOGIJA I MEDICINA RADA, Pressum,Mostar, 2024.
2. Beritić-Stahuljak D, Žuškin E, Valić F, Mustajbegović J: MEDICINA RADA, Medicinska naklada, Zagreb, 1999.
3. Ljubičić M, Doko Jelinić J, Capak K. : Zdravstvena ekologija – odabrana poglavlja, Medicinski fakultet, Mostar 2021, skripta,
4. Šarić M, Žuškin E. MEDICINA RADA I OKOLIŠA, (Odabrana poglavlja), Medicinska naklada, Zagreb, 2002.

CURRICULUM

Day	Time (hours)	Class type	Subject	Lecturers
Wednesday 6.5.2026.	9,00 – 11,30	4P	History of environmental health, Environment and health; Environmental factors (chem., biol., physic., biomech., psychosoc.)	Assoc. Prof. K. Capak
	12,00 – 14,00	2P	Health effects of air pollution	Primarius Marija Bubaš, MD
		2P	Principles of occupational health and environment Principles of health risks assessment	
Thursday 7.5.	8,00 – 10.15	3V	Occupational health clinic, 1. group	Boženka Galić Tirić, MD
	10,15 – 11,00	3P	Occupational and work-related diseases Occupational and work-related diseases Workplace and cancer Work-related diseases and injuries at work Work ability assessment	Primarius Marija Bubaš, MD
	11,00 – 14,00	4P	Risk assessment in environmental health and Risk management Determining exposure for individuals and population	Prof. K. Capak
Friday 8.5.	8,00 - 9,30 10,00-13,00	2P	Physical environmental factors	Prof. K. Capak.
		2S	Waste management	
		4V	Physical environmental factors in practice	
Monday 11.5.	8,00-11,00	4V	Occupational health clinic, 2. group	Boženka Galić Tirić, MD
		2S	Physical factors of workplace environment Measuring physical factors of workplace environment and interpretation of results	
Tuesday 12.5.	9,00-11,00	2S	Exposure to ionis. and non ionis. radiation	Pavle Jeličić, MD
	12,30-14,00	2V	Disinfection, disinsection, deratisation, vector-borne diseases	
		2P	Methods, means and techniques of DDD Nutrition and health	

Day	Time (hours)	Class type	Subject	Lecturers
Wednesday 13..5.2026.	8,30-16,30	3P 3S 3S	Global ecological problems and health Procedures in extraordinary circumstances One health approach in environmental health	Pavle Jeličić Prof. K. Capak Pavle Jeličić
Thursday 14.5.	9.00- 12.00	3V	Chemical factors at the workplace Monitoring chemical pollution at the workplace and in the environment Risk assessment and mitigating exposure to workplace chemical factors	Boženka Galić Tirić, MD Primarius Marija Bubaš, MD
Friday 15.5.	9,00-11,00 11,45-15,00	3P 3S	Water and health Food and water safety monitoring. Contaminants in food Water distribution and wastewater disposal., laboratory analyses water and food	S. Šarac
Monday 18.5.	8,30 – 16,00	2S 4V 3S 1V	Protection from workplace environment factors: collective and personal protection at work Risk assessment and mitigating exposure to workplace and environmental physical factors	Boženka Galić-Tirić Primarius Marija Bubaš, MD
Tuesday 19.5.	10,00	I	Preliminary written exam on environmental health followed by oral exam	
t.b.c.		I	Oral exam on environmental health and occupational medicine	Assoc.Prof. Krunoslav Capak Primarius Marija Bubaš, MD

Note: The above schedule is subject to changes with respect to unplanned obligations of teachers; students will be duly notified in case of schedule changes.