

**SYLLABUS: ENVIRONMENTAL HEALTH AND
OCCUPATIONAL MEDICINE, ACADEMIC YEAR 2022/2023**

SCHOOL OF MEDICINE UNIVERSITY OF MOSTAR

Syllabus

**ENVIRONMENTAL HEALTH AND
OCCUPATIONAL MEDICINE**

Academic year 2022/2023

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: 8.5.2023 –19.5.2023

TEACHING STAFF

Prof. Krunoslav Capak, MD, PhD
Prof. Ivan Vasilj, MD, PhD
Primarius Marija Bubaš, MD, PhD
Pavle Jeličić, MD
Boženka Galić, MD
Slađana 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 main hall
Practice is held at the Mostar Institute of Public Health Laboratory for testing food safety, and
Laboratory for testing water safety

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. Valić i sur. ZDRAVSTVENA EKOLOGIJA, Medicinska naklada, Zagreb, 2001.
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

1 st week				
Day	Time (hours)	Class type	Subject	Lecturers
Monday 8.5.2023.	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 Principles of occupational health and environment Principles of health risks assessment	Primarius Marija Bubaš, MD
Tuesday 9.5.	8,00 – 10.15	3V	Occupational health clinic	Boženka Galić Tirić, MD
	10,15 – 11,00	1S	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 45 Determining exposure for individuals and population 3x45	Assoc. Prof. K. Capak
Wednesday 10.5.	8,00 - 9,30	2S	Water and health	S . Šarac, MSc. Eng.
	10,00-13,00	4V	Food and water safety monitoring. 2x 45 seminars Contaminants in food Water distribution and wastewater disposal. 4 hours lab practice; 2 hours for food and 2 hours for water	
Thursday 11.5.	8,00-11,00	4V	Occupational health clinic	Boženka Galić Tirić, MD
Friday 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	

2 nd week				
Day	Time (hours)	Class type	Subject	Lecturers
Monday 15.5.2023.	8,30-16,30	2P	Protection from workplace environment factors: collective and personal protection at work	Boženka Galić Tirić, MD Primarius Marija Bubaš, MD
		4S	Physical environmental factors Waste management	Assoc. Prof. K. Capak
			Physical environmental factors in practice	
Tuesday 16.5.	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
Wednesday 17.5.	9,00-11,00	3P	Physical factors of workplace environment Measuring physical factors of workplace environment and interpretation of results	Boženka Galić Tirić, MD
	11,45-15,00	4S		
Thursday 18.5.	8,30 – 16,00	2S	Global ecological problems and health	Prof. Ivan Vasilj, MD
		4V	Epidemiol. methods in risk identification Overcoming risks-health protection measures for environmental factors; Procedures in extraordinary circumstances	Assoc. Prof. K. Capak
		3S	Risk assessment and mitigating exposure to workplace and environmental physical factors	Primarius Marija Bubaš, MD
		1V		
Friday 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.