
		UNIVERSITY OF EAST SARAJEVO				
		Faculty of Medicine Foca				
		Study program: medicine				
		Integrated academic studies		VI study year		
Full subject title		HYGIENE WITH MEDICAL ECOLOGY				
Department		Department for primary health care and public health, Faculty of Medicine Foca				
Subject code		Subject status		Semester		ECTS
ME-02-1-062-11		compulsory		XI		4
Professor/-s	Prof. Branko Jakovljević, MD, PhD; Prof. Dušan Backović, MD, PhD; Assoc. Prof. Miloš Maksimović, MD, PhD					
Associate/-s	Senior assist. Maja Vukovic, MD					
Number of lectures/ teaching workload (per week)			Individual student workload (in hours per semester)			Coefficient of student workload S <sub>0</sub> <sup>1</sup>
E	SP	L	E	SP	S <sub>0</sub>	S <sub>0</sub>
2	3	0	2*15* 0,6	3*15*0,6	0*15*0,6	0,6
Total teaching workload (in hours, per semester) 2*15 + 3*15 + 0*15 75			Total student workload (in hours, per semester) 2*15* 0,6+ 3*15*0,6+ 0*15*0,6= 45			
Total subject workload (teaching + student): 75 + 45 = 120 hours per semester						
Learning outcomes		Mastering the subject, the student will be able to: 1. recognize the risk factors from the environment leading to health disorders 2. realize the importance of the diseases caused by inadequate nutrition, lack of physical activity, sanitary and hygiene conditions in school and residential buildings, problems of adaptation, natural disasters; prevent diseases transmitted through contaminated water and food 3. develop the technique of disinfection and sterilization to prevent intrahospital infections 4. suggest measurements to prevent chronic noncommunicable diseases				
General competences		They are acquainted with methodology of scientific research. They are capable of acting in accordance with rational and scientific concepts and principles. They are eager to collaborate with other medical professionals.				
Preconditions		Precondition for taking the exam: all year 5 exams passed				
Teaching methods		Theoretical lectures, Seminar papers, Laboratory exercises, Mid-term exams, Practical exams, Oral exams				
Subject content per week		<b>Lectures</b> 1. Basics of hygiene with medical ecology; 2. Atmosphere, climate and radiation; 3. Health significance of drinking water; 4. Health significance of waste disposal; 5. Medical and ecological significance of soil; 6. Sanitary and personal hygiene; 7. Urbanization and health; 8. Medical significance of noise and vibrations; 9. Food safety; 10. Nutrition hygiene; 11. Nutrition hygiene; 12. School hygiene; 13. Mental hygiene; 14. Hygiene of physical culture and sports; 15. Hygiene in disasters.				

<sup>1</sup>The coefficient of student workload S<sub>0</sub> is calculated as it follows:

a) for the study programs not going through the licensing process: S<sub>0</sub> = (total workload in semester for all of the subjects 900 hrs – total teaching workload L+E in semester for all of the subjects 870 hrs)/ total teaching workload L+E in semester for all of the subjects \_\_\_\_ hrs = \_\_\_\_\_. Consult form content and its explanation.  
b) for the study programs going through the licensing process, it is necessary to use form content and its explanation.

<b>Exercises</b>  1. Air pollution; 2. Noise, illumination, dust; 3. Microclimate; 4. Accommodation, housing; 5. Physical and chemical examination of water; 6. Bacteriological examination of water; 7. Water disinfection; 8. Food; 9. Nutrition: assessment of nutrition and nutritional status; 10. Nutrition: individual nutrition planning; 11. Sports hygiene; 12. School hygiene; 13. Mental hygiene; 14. Sanitary hygiene; 15. Hygiene in disasters.			
<b>Compulsory literature</b>			
<b>Author/s</b>	<b>Publication title, Publisher</b>	<b>Year</b>	<b>Pages (from-to)</b>
Editor: Townes D. By Weber N, Rajasingham A, Patrick M, Martinsen A, Handze T.	Water, Sanitation, and Hygiene (WASH)	2018	from Section II - Public Health Principles
Geoffrey P. Webb	Nutrition Maintaining and Improving Health, 5 <sup>th</sup> Edition, CRC Press	2019	
Frumkin H. (ed)	Environmental Health: From Global to Local, 3rd Edition, Wiley	2016	
<b>Additional literature</b>			
<b>Autor/s</b>	<b>Publication title, Publisher</b>	<b>Year</b>	<b>Pages (from-to)</b>
<b>Student responsibilities, types of student assessment and grading</b>	<b>Grading policy</b>		<b>Points</b>
	Pre-exam activities		<b>Percentage</b>
	lecture/exercise attendance	6	6%
	seminar paper	4	4%
	mid-term exam	40	40%
	Final test		
	practical/oral	50	50%
TOTAL		100	100 %
<b>Certification date</b>	June 17th 2024		

\* the number of necessary rows is added by using *insert mode*