

1	Subject	<b>HYGIENE AND ENVIRONMENTAL HEALTH</b>			
2	Code	DZE217			
3	Study Program	Study Program of Integrated studies in dental medicine			
4	Organizing Institution (Unit, Institute, Chair, Department)	Chair of Hygiene, Institute of Public Health, UKIM Medical Faculty - Skopje			
5	Educational degree (first or second cycle)	Integrated study			
6	Study year/semester	2/4	7	Number of credits	2
7	Teacher	Asst. Prof. Igor Spiroski, MD, PhD, MPH			
8	Preconditions	/			
9	Teaching goals: <ul style="list-style-type: none"> <li>• Student should learn about environmental health risk aspects of air pollution, drinking water and surface water pollution, physical hazards like ionizing and non-ionizing radiation, environmental health aspects of climate change and management of waste in environment with a special focus on HCRW</li> <li>• Student should acquire knowledge about health risks related to unsafe food and nutrition and adopt principles of healthy nutrition of the population</li> </ul>				
10	<b>Brief content</b>				
	<b>Theoretical course</b>				<b>Class</b>
	Introduction to environmental health				1
	Air pollution as public health risk				2
	Water, sanitation and environmental health				2
	Environmental and health aspects of climate change				2
	Food safety and public health				2
	Public health nutrition				2
	Environmental and health aspects of waste				2
	Physical factors in the environment and its health impact				2
	<b>Total</b>				<b>15</b>
	<b>Seminars:</b>				<b>Class</b>
	Waste management with particular focus on medical waste				3
	Nutrition as risk factor for non-communicable diseases				3
	Food safety and communicable diseases				3
	Water safety and Protocol on water and health				3
	Case studies on air pollution				3
	<b>Total</b>				<b>15</b>
	11	Methods of studying: class room oriented lectures, interactive lectures, group work, practical training, seminar paper			
12	Total available time	60 classes			
13	Organization of the course	15 classes - theoretical course, 15 classes- seminars, 30 classes - home individual learning and other activities			
14	Forms of	14.1.	Theoretical course		15 classes

	teaching activities	14.2.	Practical course, seminars			15 classes
15	Other forms of activities	15.1.	Project tasks			
		15.2.	Individual tasks			
		15.3.	Individual (home) learning			30 classes
16	Method of assessment	16.1.	Tests			Required minimum points to pass=36 Maximum points=60
		16.2.	Active participation, seminar paper/project (oral/written presentation)			Required minimum points to pass=24 Maximum points=40
		16.3.	Final (oral) exam			points
17	Grading criteria (points / grade)	Up to 59 points			5 (five) (F)	
		from 60 to 67 points			6 (six) (E)	
		from 68 to 75 points			7 (seven) (D)	
		from 76 to 84 points			8 (eight) (C)	
		from 85 to 93 points			9 (nine) (B)	
		from 94 to 100 points			10 (ten) (A)	
18	Requirement for signature and taking the final exam	In order to get a signature and to be able to take the exam, the student should be present at minimum 11 classes of theoretical courses and minimum 11 classes of seminars and to fulfill all other assigned tasks.				
19	Language of the course	English				
20	Method for evaluation of the quality of education	Anonymous student's evaluation of the subject, teachers and collaborators involved in the educational activities				
21	<b>Literature</b>					
	21.1.	<b>Mandatory textbooks</b>				
No.		Author	Title	Publisher	Year	
1		Gjorgjev D, Kochubovski M, Kendrovski V, Ristovska G.	Hygiene of environmental health	Skopje: Faculty of Medicine	2008	
2		Gjorgjev D, Kendrovski V, Ristovska G, Dimitrovska Z.	Hygiene of food safety and nutrition	Skopje: Faculty of Medicine	2008	
	3	Wallace RB, editor.	Public Health and Preventive Medicine	New York: McGraw-Hill	2008	
21.2.	<b>Additional literature</b>					
	No.	Author	Title	Publisher	Year	
	1	Institute of Public Health	Dietary guidelines for the population of the Republic of Macedonia	IPH	2014	

		2	Institute of Public Health	Guideline for safe management of medical waste	IPH	2009
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