Subject	HYGIENE AND ECOLOGY	i	
Study program	Three year studies for graduated nurses/technicians		
Code	SMS/T-215		
Year of studies	Second		
Semester	Third		
Total number of	55		
classes			
Credits	2		
Type of subject			
Pre-requisites	Obligatory Fulfilled condition for enrolment in 2 <sup>nd</sup> year		
Executing chair	Chair of Hygiene		
Teacher in charge			
leacher in charge	<ul><li>Prof. Mihail Kochubovski, MD, PhD</li><li>Chair of Hygiene, Institute of Public Health of the Republic of Macedonia, 50. Divizija 6</li></ul>		
Contact	1000 Skopje, Republic of Macedon	ia. Tel: +38923125044, email: <u>kocubov58@yahoo.com</u>	
	To achieve knowledge for scientifi	c and practical aspects of hygiene and environmental	
	health.		
Objectives	To became aware for environmental risks, adverse health effects related to environmental		
	exposure, preventive measures for reduction of environmental exposure		
	To achieve knowledge for food safety, food borne diseases and healthy nutrition.		
	Theoretical lectures (30 classes)		
	- Hygiene (definition, methods, area of work)		
	- Eco-toxicology		
	- Risk assessment and eco-oncology		
	- Environmental health: air pollution, drinking water, ionizing and nonionizing radiation,		
	noise, waste management with particular emphases to medical waste and regulations.		
	- Climate change, heat and cold waves		
	- Hygiene standards for health care institutions and schools		
	- Hygiene of food safety and nutrition [food quality and food safety, food supplements and food fortification, nutritional status assessment, the importance of nutrition to healthy		
	people and those with special nutritional needs (children, adults, sportsmen, pregnant		
Summary	and lactating women), malnutrition.		
Sullillary	and factating women), maindultion.		
	Practical exercises( 25 classes)		
	- Monitoring of air quality and adverse health effects		
	- Physical hazards from the environment		
	- Drinking water, laboratory testing, field survey of water supplying objects		
	- food safety and nutrition: the students prepare joint project and implement it in practice		
	- School hygiene		
	- Functioning of the health system, from preventive medicine point of view, during natural		
	and anthropogenic catastrophes (war, refugees, floods, earthquake) hygiene of proper		
	housing, organization and implementation of disinfection, disinsection, deratisation and		
	decontaminaton.		
0	Theoretical: 30 classes		
Organisation	Seminars: 25 classes		
Learning	Lecturing, practice		
methods:	G, 1		
	Knowledge and understanding		
Foreseen recults:	The student will gain basic knowledge in the area of hygiene and ecology.		
Foreseen results:	Key skills		
	The student will implement the basic principles of hygiene and ecology.		
	· · · · · ·	The student is obliged to actively follow al foreseen	
		activities, including the participation in the	
Chacific recent res	ndations for the teaching process	continuous assessment of knowledge, in order to	
Specific recomme	ndations for the teaching process	receive the approval of attendance.	
		Scoring of activities	
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		Type of activity	score			
		Theoretical	7.5-12.5			
		Practical	7.5-12.5			
		Continuous assessments of knowledge	45-75			
		Total	60-100			
		Participation in theoretical lectures:				
		51%-60% - 7.5 points				
		61%-70% - 8.5 points 71%-80% - 9.5 points				
		81%-90% - 11 points				
		91% -100% - 12.5 points				
		Participation in practical exercises (25 lesson	s), 0.5			
		points per lesson				
		Participation – 0.2 points				
		Activity – 0.3 points				
	Colloquium					
	The student is obliged to be regularly present at theoretical and practical parts of the					
	lessons and to participate in the knowledge assessment. The assessment is MCQ test. The					
	student must participate at the colloquium, in opposite he/she will not receive approval of					
	attendance at the subject at the end of the semester.  The student must score 60% or more, at the first colloquium, and if the first one is passed,					
	60% at the second colloquium, in opposite he must show-up at the final exam.					
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	<u>Final exam</u>					
Continuous	60% at the first, and if the first one is passed, $60%$	60% at				
assessments of the second colloquium, he/she shows up at the Final exam.						
knowledge	The final exam is passed if the stud	dent scores 60% or more.				
Forming the grade The grade for the subject is formed according to the grading table and as e result of the total score for the activities, including the continuous assessments of knowledge.						
					and the continuous assessments of knowledge	
					IRREGULAR STUDENTS	
	40% of the regular theoretical and practical study is executed.					
	The exam, at the exam sessions, is consisted of MCQ test.					
	d according to the grading table and as e result	of the				
	total score for the activities.	andi V Bistondo C Hari	-1111			
Textbooks	1	ovski V, Ristovska G. Hygiene and environment	ai health.			
	Skopje: Faculty of Medicine, 2008. Gjorgjev D, Kendrovski V, Ristovska G, Dimitrovska Z. Food hygiene and nutrition. Skopje:					
	Faculty of Medicine, 2008.					
	Wallace RB, editor. Public Health and Preventive Medicine. New York: McGraw-Hill; 2008.					
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