

1.	Subject	HEALTH AND EMPLOYMENT PROTECTION			
2.	Code	MLD – 122			
3.	Study program:	Three-year professional studies of medical laboratory diagnostic			
4.	Conducted by	Department of Occupational Medicine			
5.	Degree of education (first or second cycle)	First cycle			
6.	Academic year/semester	First/II	7.	Credits	3
8.	Professor	Chair of the Department of Occupational Medicine – Prof. Jordan Minov The classes are held by all the Department members			
9.	Prerequisite	None			
10.	Goals	The student gains basic knowledge about the possible risks, dangers and hazards, measures for employment protection, among healthcare professionals in laboratories			
11.	Content summary:	<p>Theoretical lessons(20 classes):</p> <ul style="list-style-type: none"> • Occupational medicine – health and employment protection. Workplace, work conditions, work environment (workspace, equipment, organization) in laboratories • Physiology, psychology of labor and ergonomic aspects of work • Analysis of the workplace, professional risks, professional hazards and dangers • Occupational diseases, diseases related to work and work injuries • Preventative measures (technical, technological, collective and personal preventative measures, medical and legal) • Physical agents (temperature, noise, vibrations, radiation), health effects, preventative measures • Radioactivity – health effects, preventative measures • Chemical agents, health effects, preventative measures • Biological agents, stabs, hazardous medical waste, health effects, preventative measures (biosecurity) • Psycho-social agents and ergonomic factors, health effects, preventative measures • Dangers- fires, explosions, preventative measures, first aid • Prevention and self-preservation, first aid (basic principles, laws, actions and procedures, control) • Health promotion at work <p>Practical lessons (10 lessons)</p> <ul style="list-style-type: none"> • Recognizing the basic sources of dangers and hazards in a laboratory, adopting the appropriate work actions and procedures, as well as the recommended measures for prevention, self-preservation and first aid at the work place • Adopting the recommendations for health prevention and promotion at the work place of a healthcare professional 			
12.	Teaching methods:	Interactive lessons, practical lessons with working in small groups, problem solving and discussing cases, individual practical work, poster presentations			
13.	Total classes:	70			
14.	Organization	40 theoretical lessons and practical lessons 30 learning at home			
15.	Types of teaching activities	15.1	Lessons:	20	

			theoretical classes	
		15.2	Practical lessons, Seminars	10 10
16.	Other types of activities		16.1	Practice /
			16.2	Self-supporting practice
			16.3	Learning at home 30
17.	Knowledge assessment		Points	
	17.1	Final exam	*Written part **Practical part -poster presentation *The written part of the exam includes the part where the student must gain knowledge and understanding of the connection between health and work, as well as of the basic elements health prevention and promotion in the work place. **The practical part of the exam includes the part where the student becomes able to use the gathered knowledge in practice. The student must gain minimum points in every part of the exam, separately, in order for the points to be summed in the exam. On the contrary, the final exam is failed.	Min.-max. 18 - 30 17 - 25
	17.2			
	17.3	Paper/project (oral presentation of slides)		Min. – max. 12 - 20
	17.4	Active participation	Theoretical lessons Practical lessons	Min. – max. 5 - 10 8 - 15
18.	Grading criterion (points/grades)	Up to 59 points	5 (five) F	
		From 60 to 68 points	6 (six) E	
		From 69 to 76 points	7 (seven) D	
		From 77 to 84 points	8 (eight) C	
		From 85 to 92 points	9 (nine) B	
		From 93 to 100 points	10 (ten) A	
19.	Requirements for obtaining a signature and attending the final examination	<p>To obtain a signature, the student must gain minimum points from attending the theoretical and practical lessons, as well as writing a paper.</p> <p>To attend the final exam, the student must prepare and present a poster presentation and a paper/slides presentation.</p> <p>The final grade for the subject is formed according to the table for grading, and is based on the sum of the points from all the activities, presentations, knowledge checkups and final exam.</p>		
	Type of activity	Points		
	Theoretical lessons	5-10		

	Practical lessons	8-15	
	Paper/project	12-20	
	Final exam	Written part	18-30
		Poster presentation	17-25
	Total	60-100 points	
20.	Language	Macedonian	
21.	Method of evaluating the quality of the lessons	Anonymous student evaluation of the subject, the professors and the collaborators who hold the lessons.	
22.	Literature		
	22.1	Mandatory literature	
		1.	Karadzinska-Bislimovska J., Minov J., Risteska-Kuch S., Mijakoski D., Occupational Medicine., Skopje: University Ss.Cyril and Methodius Skopje, 2011
		2.	Stikova E., Occupational Medicine., Skopje: University Ss.Cyril and Methodius Skopje, 2012
	22.2	Additional literature	