

1.	Subject	FORENSIC MEDICINE		
2.	Code	OM 525		
3.	Study Program	General Medicine		
4.	Institution (Unit, Institute, Chair, Department)	Ss Cyril and Methodius University, Medical Faculty, Department of Forensic Medicine		
5.	Degree of education (first or second cycle)	Integrated 6-year study		
6.	Study year/semester	Fifth(V)/ Teen(X)	7.Number of credits	4
8.	Responsible teacher	Prof. Verica Poposka, PhD, MD		
9.	Preconditions	Filled out condition for enrollment in the VII semester		
10.	Teaching goals:	<ul style="list-style-type: none"> • adoption and mastering of skills for determination of death, signs of death, cause of death and issuing a certificate of death • gaining knowledge of indications for forensic autopsy, and differentiating violent from natural death • mastering skills of description of mechanical injuries, chemical injuries, injuries due to heat, injuries due to cold, electrocution, lightening, asphyctic injuries and nutritive injuries • mastering skills of filling out and issuing a medical certificate • gaining knowledge of criminal law provisions concerning the medical profession (negligent treatment, professional secrecy, euthanasia, failure to provide medical assistance) 		

11.	<p>Brief content:</p> <p>Theoretical course:</p> <ul style="list-style-type: none"> • Thanatology. Agony, dying, death, and types of death. Signs of death – uncertain signs, early post-mortem signs, and certain or later post-mortem signs. Estimation of time since death. Determination of death and cause of death. • Mechanical injuries, general characteristics. Blunt-force trauma, sharp-force trauma (stab wounds, incised wounds), and gunshot wounds. • Asphyctic injuries, mechanism, and general characteristics. Strangulation, suffocation, and compression. • Injuries due to heat, injuries due to cold, injuries due to electrocution, injuries due to lightning, injuries due to microwave, laser, and atomic radiation • Chemical injuries, poisons. Poisoning with corrosives, poisoning with metals, medicamentous poisoning, poisoning with pesticides, alcohol poisoning, and drugs • Nutritive injuries • Identification of living, and of deceased. DNA identification. • Violent death - murder, suicide, and accident • Forensic gynecology, and sexology • Medico-legal expertise, and medico-legal expert. Medico-legal expertise of injuries. • Medico-legal comment on the provisions of the criminal law for negligence, negligent treatment, failure to provide medical assistance, quackery, professional secrecy
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	<p>Practical lessons:</p> <ul style="list-style-type: none"> • Medico-legal autopsy. Performing technique of medico-legal autopsy. Goals and indications for medico-legal autopsy. • Medical certificate • Examination of victims of sexual abuse • Identification of living and deceased • Determination of death and issuing of certificate of death • Medical criminalistics, expertise of blood stains, fiber and hair, sperm • Forensic DNA technology <p>Seminar papers: Students themselves choose matter in the field of forensic medicine</p>			
12.	<p>Methods of studying: Interactive teaching, practical course and seminar papers</p>			
13.	Total available time:	120 classes		
14.	Organization of the course	75 hours lectures-theoretical course, practical course, and seminars 45 hours home studying		
15.	Forms of teaching activities	15.1.	Theoretical course	49 classes
		15.2.	Practical course,	25 classes

			Seminars	1 class
16.	Other forms of activities	16.1.	Practice	/
		16.2.	Individual tasks	/
		16.3.	Individual (home) learning	45 classes
17.	Method of assessment			
	17.1	Tests	Periodic evaluation * min. 11 – max. 20 * Periodic evaluation (preliminary exam): one written exam Oral exam* min. 32 – max. 52 Practical exam* min. 11 – max. 20 * Oral exam (integrative) – 3 questions to evaluate the integrative knowledge important for understanding the entirety of the subject and the medical practice * Practical exam (according to the skills) – 2 questions from the practical course and skills of writing Latin diagnosis	
	17.2	Seminar paper/project (oral/written presentation)	1 - 2	min – max
	17.3	Active participation	Theoretical course Practical course Completed textbook	min – max 1-3 3-5 mandatory
18.	Grading criteria (points / grade)	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.	Requirement for signature and taking the final exam	<p>The student is required to actively follow all of the planned activities.</p> <p>Conditional criteria for assessment of knowledge:</p> <p>To get a signature, the student should attend theoretical classes, practical course and seminars and gain a minimum score.</p>	

		<p>In order to access the final exam student should pass the predicted continuous check or to win at least 30% of the total number of points on the preliminary exam. In the exam session, the student should first pass the preliminary exam and then approach the final exam.</p> <p>The final grade is formed according to the table of grades based on the sum of points from all activities, continuous checks, preliminary exam and final exam</p>			
20.	Language of instruction	Macedonian			
21.	Method of monitoring the quality of teaching process	Attendance of students to classes and interactive participation in theoretical and practical lessons.			
22.	Textbooks				
	Mandatory				
	1.	Praktikum po sudska medicina	Janeska and associates	MARIS, Skopje	2010
22.1.	2.	Forensic Pathology	Dominick DiMaio, Vincent J.M. DiMaio, M.D.	CRC Press LLC	2001
	Additional				
22.2.	1.	Sudska medicina	Tasić and associates	Zmaj, Novi Sad	2006

	2.	Sudska medicina	Zečević and associates	Medicinska naklada, Zagreb	2004
	3.	Sudska medicina	Milovanovic	Medicinska knjiga	1990