

<i>Name of the course</i>	Forensic medicine			Code	
<i>Type of study program Cycle</i>	Integrated university study program, medicine			Year of study	VI
<i>Credits (ECTS) :</i>	3	<i>Semester</i>	XI	Number of hours per semester (1+e+s)	50 (16+17+17)
<i>Status of the course:</i>	mandatory	<i>Preconditions:</i>	Passed all exams of the 5 th year	<i>Comparative conditions:</i>	
<i>Access to course:</i>	6 th year students			<i>Hours of instructions:</i>	according to schedule
<i>Course teacher:</i>	Professor Marija Definis Gojanović, MD, PhD				
<i>Consultations:</i>	according to deal				
<i>E-mail address and phone number:</i>	marija.dg@gmail.com (+ 385 91 201 64 31)				
<i>Associate teachers</i>					
<i>Consultations:</i>	-				
<i>E-mail address and phone number:</i>	-				
<i>The aims of the course:</i>	<p>The aims of this course are: understanding the work and organization of forensic medicine; analyzing the difference between natural and violent damage of health, natural and violent death; apply the time, cause and manner of health damage and death; understanding problems of identification in expertise of judicial proceedings and also understanding of medical responsibilities and obligations.</p>				
<i>Learning outcomes (general and specific competences):</i>	<p>After finish and pass this course, students will:</p> <p><u>General competences:</u> Applying the independent learning habits with critical and self-critical questioning of scientific truth; apply the habit of professional literature use.</p> <p>Remembering the possession of the personal qualities of personality (team work, personal contribution, interest, active listening, and building positive relationships with members of the group; tolerance; attitude towards the profession).</p> <p><u>Specific competences:</u> Understanding the basic terms in the field of thanatology, violent damage to health and death, identification, expertise, transport trauma and medical deontology.</p>				

	<p>Analyzing and synthesizing the medical facts for the purposes of the legal profession;</p> <p>Independently applying the external examination of dead body</p> <p>Understanding the signs and causes of death; understanding violent / infectious death and apparent death and applying appropriate action, as well as remembering of application forms of death;</p> <p>Understanding the correct data collection, documentation and reporting of alive persons' injuries.</p> <p>Understanding the correct collection, storage and forwarding of samples for toxicological and other analysis</p>			
Course content (Syllabus):	<p>Course consists of 8 units, 8 test assessment in seminars, 8 colloquium assessment on exercises. Each thematic unit includes: 2 hours of lectures, 2-3 hours of seminars and 2-3 hours of exercises.</p>			
Format of instruction (mark in bold)	Lectures	Exercises	Seminars	Independent assignments
	Consultations	Work with mentor	Field work	Other
	<p>Remarks: Instruction of each unit begins with lectures, seminars and exercises. At the seminars, students receive professional and scientific paper from optional literature with obligation to analysis and presentation the same. The aim is extension of knowledge from thematic units discussed in class. During exercises, students work in small groups and try to solve specific problematic tasks and cases from medical practice.</p>			
Student responsibilities	<p>Attendance and active participation during classes; Analysis of seminar topics with project task presentation in power point version and oral presentation of homework; colloquium of exercises; final exam.</p> <p>Students will be evaluated according to:</p> <ul style="list-style-type: none"> - attendance and active participation during seminars and exercises, -preparation of the seminar in the form of homework and presentations, -reading texts and developing of own critical thinking about the material and express that meaning -work in small groups 			

Screening student work <i>(mark in bold)</i>	Class attendance	Class participations	Seminar essay	Practical training
	Oral exam	Written exam	Continous assesment	Essay
Detailed evaluation within a <i>European system of points</i>				
STUDENTS RESPONSIBILITIES	HOURS	PROPORTIONS OF ECTS CREDITS	PROPORTION S OF MARK	
Class attendance and participations	25	1	20 %	
Seminar essay	25	1	30%	
Final exam	30	1	50%	
<p>Further clarification:</p> <p>Project work includes processing of the given topic with PPP. Successful creation can achieve of 15% part in the final grade.</p> <p>Homework (2 homework) includes processing and oral presentation of selected seminar topics. Successful creation can achieve 15% of final mark (2 homework include by 7.5% part in grade).</p> <p>Final exam includes written, oral and practical part of the exam.</p> <p>The right to take the exam have students who were not absent from classes. Students have to pass all teaching units before the final exam if they were not present during classes or did not present enough knowledge.</p> <p><u>Written exam</u> (test of 60 questions, threshold transience of 60% of correct answers; 16% of the final grade) 36-42 = sufficient (2); 43-48 = good (3); 49-54 = very good (4); 55-60 = excellent (5);</p> <p><u>Practical exam</u> (14% of the final grade) The practical exam consists of a written solution and the oral explication of given query.</p> <p><u>Oral exam</u> (20% of the final grade) Oral part of exam consists of 3 questions. Students draw cards with certain questions.</p> <p>Final grade: the sum of : attendance and activity during the classes (20%) + project preparation and homework (30%) + final exam (50% / 16% written part, practical part 14%, oral part of exam 20%/).</p> <p>According to the regulations of the study, final grade is obtained:</p> <p>A = 91-100% 5 B = 79 to 90% 4 C = 67 to 78% 3 D = 55 to 66% 2 F = 0 to 54% 1</p>				

Required literature:	Zečević D. Forensic medicine and deontology. Medical edition. Zagreb.2004.
Optional literature:	Di Maio D, Di Maio V. Forensic Pathology, 2nd ed. CRC Press. 2001. Zečević D. Expertise of severity body injuries in criminal process. Informator. Zagreb.1985. Milan Čović. Expertise in traffic. Informator. Zagreb. 1987. Primorac D. Analysis of DNA in forensic medicine and judiciary. Medical edition. Zagreb. 2008. Separated parts of domestic and foreign literature
Additional information about the course	Methods of monitoring the quality of education: <ul style="list-style-type: none"> - student questionnaire - analysis of the quality of the teaching of teachers - analysis of exam results - report of the office for quality of teaching - external evaluation (visit of team for quality control)

Annexes: calendar classes

The number of teaching units	TOPICS AND LITERATURE
I.	Title: Damage of health and death
	Short description: cause, mechanism, types of death; sudden, suspicious death; sudden natural death; the importance of autopsy
	Literature: required and optional
II.	Title: Injuries - mechanical
	Short description: specific and non-specific mechanical injuries, specific damage of certain part of body; craniocerebral injuries
	Literature: required and optional
III.	Title: Injuries - asphyxia, physical, psychological, nutritional injuries
	Short description: suffocation and strangulations, general and local effects of elevated and reduced temperature; with electricity caused injuries; psychic trauma; violent thirst and starvation
	Literature: required and optional
IV.	Title: Injuries – chemical (toxicology)
	Short description: introduction to forensic toxicology; significant poisons in toxicology; alcohol and drugs
	Literature: required and optional

V.	Title: Thanatology
	Short description: agony, apparent death; early and late signs of death; determining the time of death; effect of animals on human remains
	Literature: required and optional
VI.	Title: Medical criminalistic
	Short description: investigation; biological traces; forensic anthropology; forensic odontology; forensic entomology; identification
	Literature: required and optional
VII.	Title: Criminal activity
	Short description: corporal injuries and qualification, murder, suicide, illegal abortion, infanticide; crimes against sexual freedom and sexual morality
	Literature: required and optional
VIII.	Title: Expertise and medical deontology
	Short description: expert and expertise in criminal / civil proceedings; expertise in road transport; expertise in paternal lawsuit; criminal responsibility of doctors; medicine in the service of the state
	Literature: required and optional