
		<b>UNIVERSITY IN EAST SARAJEVO</b> Faculty of Medicine					
		<b>Study program: medicine</b>					
		Integrated academic studies		VI year of study			
<b>Full subject name</b>		FORENSIC MEDICINE					
<b>Chair</b>		Department of Surgery , Faculty of Medicine, Foča					
<b>Subject code</b>			<b>Case status</b>		<b>Semester</b>		<b>ECTS</b>
ME- 02-1-064-11			mandatory		XI		3
<b>Teacher/s</b>		prof. Dr. Zoran Mihailović , associate professor					
<b>Associate</b>		Boris Pejić , senior assistant					
<b>Fund of classes/ teaching load (weekly)</b>			<b>Individual student workload (in semester hours)</b>			<b>Coefficient of student load S o<sup>1</sup></b>	
<b>P</b>	<b>V</b>	<b>SP</b>	<b>P</b>	<b>V</b>	<b>SP</b>	<b>With Fr</b>	
2	2	0	2*15*0,5	2*15*0,5	0*15*0,5	0,5	
total teaching load (in hours, per semester) 2*15 + 2*15 + 0*15 = 60			total student workload (in hours, per semester) 2*15*0,5 + 2*15*0,5 + 0*15*0,5 = 30				
Total course load (teaching + student): 60 + 30 = 90 semester hours							
<b>Learning outcomes</b>		1. Acquaintance of students with knowledge of medical science about death; injuries 2. Acquainting students with the relationship between illnesses and injuries 3. Acquaintance of students with med. documentation ; identification 4. Familiarization of students with the role of expert, expert and witness 5. Acquaintance of students with criminal offenses related to medical work .					
<b>General competences</b>		They possess broad fundamentals of theoretical knowledge and practical skills, preparing them for any type of postgraduate education as well as for collaboration with other medical professionals. They have adopted attitudes concerning medical ethics. They are prepared for further development and advances within the field of medicine. They have acquired a systemic thinking approach as well as a structured approach to medical problems during their education. They fulfill the legal requirements for a career in the field of medicine and are eager to accept responsibility associated with medical knowledge concerning additional professional education. They are acquainted with a specific diagnostic algorithm. They are acquainted with methodology of scientific research. They are capable of acting in accordance with rational and scientific concepts and principles. They are prepared for accepting responsibility and appropriate medical decision-making. They are eager to collaborate with other medical professionals. They are conscious of the necessity for continuous learning and improvement process to maintain a high level of medical competence. 3 They are eager to support quality assurance measures and periodic evaluation of their own medical competences and knowledge standards. 3,4,5 They are eager to react constructively to the outcomes of assessment- criticism and praise. They adhere to legal requirements regarding ongoing theoretical and practical training.					
<b>Conditionality</b>		Requirement for taking the exam : all five exams have been passed years					
<b>Teaching methods</b>		Theoretical lectures, Exercises, Seminars, Tests					
<b>Course content by week</b>		<b>Lectures</b> 1. Introduction to forensic medicine . History of forensic medicine. Basics of autopsy 2. Thanatology. Agony. Death. Supravital time 3. Mortuary features and changes. Determining time, cause of death . Natural and violent death. 4. Mechanical injuries. Injuries and wounds 5. Shots and explosive injuries. Nutritional injuries 6. Physical injuries. Asphyxia . 7. Forensic significance of head and spinal cord injuries. Forensic significance of chest, abdominal and limb injuries. Mechanism of injury when falling from a height. Thromboembolism and fat embolism in forensic medical practice. Clinical forensic medicine. 8. Forensic medical toxicology . Poisoning by strong poisons, arsenic, carbon monoxide, hydrocyanic acid					

<sup>1</sup>The student load coefficient S<sub>o</sub> is calculated as follows :

a) for study programs that do not lead to licensing:  $S_o = \frac{\text{total load in the semester for all subjects } 900 \text{ h} - \text{total teaching load } P+V \text{ in the semester for all subjects } \text{ h }}{\text{total teaching load } P+V \text{ in the semester for all subjects } \text{ h }}$  . View the content of the form and the explanation.

b) for study programs leading to licensing, it is necessary to use the content of the form and the explanation.

<p>, strychnine , mercury, organophosphorus insecticides. Alcohol.</p> <p>9. Drug addiction (marijuana, morphine , heroin, cocaine, LSD , ecstasy, drug poisoning. HIV in forensic medical practice.</p> <p>10. Forensic medical expertise. Classification and qualification of bodily injuries. Sexual relations and criminal acts related to them. Natural intercourse. Unnatural intercourse. Rape, fornication , unnatural fornication.</p> <p>11. Forensic significance of pregnancy, childbirth and abortion. A newborn baby. Natural and violent death of a newborn . Infanticide. Family violence. Child abuse. Torture.</p> <p>12. Identification of living persons, corpses and biological traces of human origin. Paternity identification , DNA analysis. Identification based on dental status.</p> <p>13. Zades. Traffic traumatism. Injury to individual road users. Traffic trauma and alcohol. Suicide . To the point .</p> <p>14. Forensic medical expertise, selection of experts, subject and importance of forensic medical expertise. Degrees of forensic medical expertise . Expert-witness differences.</p> <p>15. Professional and deontological obligations of doctors. Reconstruction. Exhumation.</p> <p><b>Exercises</b></p> <ol style="list-style-type: none"> <li>1. Thanatology. Vital reactions (video presentations) . Death certificate (practically filling out the death certificate).</li> <li>2. Forensic autopsy (presence and monitoring of forensic autopsy).</li> <li>3. Natural impairment of health (presentation of cases and examples).</li> <li>4. Violent dissemination of health and mechanical injuries (presentation of videos; presentation of photographs; practice of describing individual injuries);</li> <li>5. Physical and asphyxiating injuries (video presentations and photo displays with individual physical and asphyxiating injuries).</li> <li>6. Chemical (toxicology), Alcoholism and intoxication assessment - practical exercises for determining the concentration of alcohol in the blood, at the time of the event in question - exercises and tasks);</li> <li>7. Biological and psychological injuries (case reports).</li> <li>8. Forensic autopsy (attendance at forensic autopsy).</li> <li>9. Injuries of certain parts and regions of the body (case reports, presentations, photos).</li> <li>10. Accident, suicide, murder (presentations from autopsies - drivers, pedestrians, passengers, falls from a height; different types of suicides and murders).</li> <li>11. Professional and deontological obligations of doctors. Legal provisions regarding the work of doctors. CPC, CC, Law on Civil Procedure, Geneva Convention. Euthanasia . (displays of examples where a medical error has been established; also examples where a medical error has not been established; practical importance of euthanasia for the clinician and forensic physician).</li> <li>12. Forensic autopsy (presence and monitoring of forensic autopsy)</li> <li>13. Expertise (practical examples and tasks of certain expertises).</li> <li>14. Identification and methods of identification, identification of the living and identification of corpses, forensic aspects of DNA analysis (with special reference to the tasks of clinicians during the identification and care of the injured in mass accidents).</li> <li>15. Forensic autopsy (presence and monitoring of forensic autopsy).</li> </ol>			
<b>Mandatory reading</b>			
<b>Author/s</b>	<b>Title of publication, publisher</b>	<b>Year</b>	<b>Pages (from-to)</b>
Popović V Atanasijević T	<b>Forensic medicine: a textbook for medical students</b>	2019	
<b>Obligations, forms of knowledge testing and assessment</b>	<b>Type of student work evaluation</b>		<b>Points</b>
	Pre-examination obligations		<b>Percentage</b>
	attendance at lectures/exercises		10
	seminar work		10
	test/ colloquium		20
	practical work		10
	Final test		
	test		15
	practical		15
	oral		20

	TOTAL	100	100%
Date of certification	June 17th 2024		