

MED 3006 –Forensic Medicine

Course Name	Code	Semester	Type of course	Theory (hours)	Group work (hours)	ECTS
Forensic Medicine	MED 3006	VI	Mandatory	29	36	4
Faculty, the educational program and education level	Faculty of Medicine, one-cycle Educational Program “Medicine”					
Author (s)	Rusudan Beriashvili - invited teacher Mob.tel.: 557 57 89 89; e-mail: rusudan29@yahoo.com Consultation day and time - individually					
Educational course format	Lecture Group Work					
Educational course Loading	Total: 120 hours, that includes: Contact hours: 60 h <ol style="list-style-type: none"> 1. Lecture – 20 h 2. Team work – 36 h 3. Midterms – 2 h 4. Final exam -2 h Independent work – 60 h					
Prerequisites	MED 1003 - Cell, tissue and organs system, MED 2001- Tissue damage and Host response					
The purpose (s) of tutorial course/modules	This learning course is designed so that the student could reach the general meaning of forensic medicine, learn the statement of death fact and meaning of dying and death; poisoning, injuries, child abuse, sexual abuse determination methods, biological materials examination; age determination methods on the base of the bones composition, teeth and X-ray examination.					
Teaching and learning methods	Lecture - Face-to-Face – direct verbal contact; Demonstration –slides, tables and other visual aids; Discussion – questions and answers, answers analysis supported with practical facts; Abstract preparation and presentation in group with the following discussion and analysis of it; Student will work with additional literature independently to search for necessary material of periodical issues and internet information technology sources; the writing culture will be developed; In the process of Working in group - the practical skills will be developed on the base of Forensic Medicine Laboratory; some problematic situations will be observed and discussed					

Assessment criteria	<p>Maximum score- 100: that includes</p> <ol style="list-style-type: none"> 1. Midterm assessment -60 scores 2. Attendance -10 score 3. Group work activity – 10 score: 4. Abstract -10- scores 5. Discussion – 10 scores 6. Midterm Exam – 20 scores <p>Application and Group Work are Assessed Based on the Following Criteria (maximum 10 scores)</p> <p>10 scores- Student has been able to present complete and thorough knowledge of the subject, a substantial amount of detailed and relevant information. Demonstrate considerable depth of understanding of the studied main and additional literature. Bring forward a balanced view of the main arguments on the issues.</p> <p>9 scores - Student has been able to bring forward a consistent number of deductions on most of the topics tackled. make very good comments on the different perspectives on most of the issues. Demonstrates knowledge of the main readers.</p> <p>8 scores - Student has been able to bring forward a consistent knowledge, Has properly developed terminology. Demonstrates knowledge of the main readers.</p> <p>7 scores - Student has been able to present some factual information sufficiently linked with the topic. Demonstrate a good understanding of the topics selected. make a good attempt to bring forward a balanced view of some arguments on the issues. Terminology is partially developed.</p> <p>6 scores - Student has been able to make some good comments on the different perspectives on some of the issues. Make poor deductions on most of the topics tackled. analyse some causes and results of human interactivity related to the issues.</p> <p>5 scores - Student has been able to demonstrate inconsistent comments on the different perspectives on some of the issues. Terminology is partially developed. Present mediocre level of knowledge. Make poor deductions.</p> <p>4 scores - Student demonstrates general overview of the topics. Terminology is not developed. Information sufficiently linked with the topic. Demonstrate irrelevant understanding of the literature.</p> <p>3 scores – Student demonstrates general/superficial and inconsistent knowledge of the subject. No sufficient knowledge of the literature.</p> <p>2 scores - Student demonstrates general comments, no knowledge of the terminology, no consistency.</p> <p>1 score – Student demonstrates insufficient answer, not terminology awareness, chronologic manner of the answer, mostly wrong, no knowledge of literature.</p> <p>0 score: Student demonstrates not even elementary knowledge of the topics.</p> <p style="text-align: center;">Abstract Presentation– Maximum 10 scores</p> <ol style="list-style-type: none"> 7. Problem outline - 2; 8. Review of the literature on the issue -2; 9. Deductions accuracy and correlation with the main text - 2; 10. Visual and technical parts of the material - 1; 11. Reliability of the sources Accuracy of the cited literature - 1; 12. Writing Culture - 1.
----------------------------	---

	<p>Discussion assessment criteria (10 scores- max.)</p> <ol style="list-style-type: none"> 13. Argumentativeness of represented factual material -2 scores; 14. Complexity of represented factual material -2 scores; 15. Discussion activity – 2 scores; 16. Debating and listening culture - 2 scores; 17. Keeping within the time-limit – 2 scores. <p>Midterm Exam – 20 scores</p> <p>(Written test -40 question, 0,5 score for each)</p> <p>Minimal score of midterm assessment (for final exam) – is 11.</p> <p>Final Exam -40</p> <p>Is held in the written test form (test consists of 80 questions, each question is rated as 0,5 score). The final exam would accounted as passed in case of maximum 70% or more (40X70 / 100 = 28 scores).</p> <p>Credit will be given to the student if he has collected at minimum 51 scores out of 100. The students' assessment has to be done in the following way:</p> <p>Positive rate:</p> <ol style="list-style-type: none"> (A) Excellent- 91 or more scores; (B) Very Good- 81-90 scores; (C) Good- 71-80 scores; (D) Satisfactory- 61-70 scores; (E) Enough- 51-60 scores; (FX) Failure - 41-50 scores, <p>Negative rate:</p> <ol style="list-style-type: none"> (FX) Failure - 41-50 scores, which means that a student needs to work more and an independent and considerable further work is required to pass the exam once again to be re-awarded; (F) Fail - 40 scores or less, which means that the student's diligence is not sufficient and student has to learn the subject all over again. <p>The student can pass the additional exam during the same semester. The time interval between the final and the additional exams should be not less than 10 days</p>
The basic literature	<ul style="list-style-type: none"> • David Dolinak Evan Matshes Emma Lew. Forensic Pathology Principles and Practice; Elsevier Academic Press; 2005; • Reinhard B.Dettmeyer; Marsel A.Vehoff; Harald F.Schütz Forensic Medicine, Springer, 2014; • Bernard Knight; Pekka Saukko Knight's Forensic Pathology. CRC Press, 2004;
The auxiliary literature	<ul style="list-style-type: none"> • Edited by; Brian L Murphy; Robert D.Morrison Introduction to Environmental Forensics; Elsevier Academic Press, 2015

The tutorial/training course content

№	Subjects	Lecture (hour)	Work in group (hour)
1	The procedural bases of forensic medicine examination, its organization and structure	4	
2	The process of dying and death, forensic medical classification of death, cadaveric phenomenon, the definition of death remoteness, the statement of death fact		3
3	Medical examination of newborn corpses. The statement of duration of live birth, stillbirth, antenatal period, inability to live, the causes of death and lifespan		3
4	Mechanical asphyxia. General morphological changes. Classification. Characteristic signs of some forms of mechanical asphyxia		3
5	Forensic medical thanatology	4	
6	Clinical-morphological forms of mechanical damage. The causes of death. The damages caused by hard blunt and sharp objects. The damages developed as a result of body falling		3
7	Forensic medical traumatology	4	
8	The damages caused by means of transport (air, water, rail and non-rail)		3
9	The damages caused by guns		3
	Midterm Exam		2
10	The impairment of health and the death by the action of physical factors	4	3
11	Forensic medical expertise of living persons		3
12	The examination of the crimes committed in a dubious sexual state and in sexual sphere		3
13	Forensic medical toxicology	4	3
14	The examination of material evidences of biological origin (blood, sperm, sweat, saliva, bone)		3
15	The basic questions of forensic medical deontology		3
	Final Exam		2

Learning Outcomes

Criteria	Competences
----------	-------------

Knowledge and Understanding	After completion of the learning course a student will have a deep and thorough knowledge in forensic medicine provided by the educational program. In particular, a student will know: the statement of death fact, types of death, body changes as a result of lethality, the rule of carrying on the examination of the corpse, as well as the examination of a living person and biological material evidences.
Applying of Knowledge	He/she will be able to: <ul style="list-style-type: none"> • state the character and remoteness of the damage caused by means of any object, • participation in the trial;
Communication Ability	Will be able to: <ul style="list-style-type: none"> • communication with law enforcement agencies and the mas-media; • design expert documents. • Participate in judicial process and in conflict resolution;
Value	Will be able to: <ul style="list-style-type: none"> • Negotiate and to participate in the regulation of conflicts with any person in spite of his ethnic, religious, social and cultural identity; • Direct with principles of justice in professional work; • Respect and protect the democratic values.