

MED 6010 - Clerkship V

Course Name	Code	Semester	Type of Course	Theory (hours)	Group Work (hours)	ECTS
Clerkship V	MED 6010	XII	Mandatory	0	80	4
Faculty, the educational program and education level	Faculty of Medicine, one-cycle Educational Program “Medicine”					
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Educational course format	Group work					
Educational course Loading	<p>Total: 120 hours Contact hours: 84 h , that includes:</p> <ol style="list-style-type: none"> 1. Group work 80 h (20 working days: 5 days - emergency reception, 10 days –emergency, 5 days cardiology department) (working day duration - is 4 hours) 2. Mid-term exam- 2 h 3. Final exam -2 h <p>Independent work – 36 h</p>					
Prerequisites	MED 6003 -Emergency					
The purpose (s) of tutorial course/modules	<p>The aim of the learning course is to teach the student the first medical aid of suffered person both in the clinic and outside the clinic. The medical skills in the field of emergency is one of the important bases of practical solution of first medical aid to the suffered person, and so it is needed for all the students. The courses are designed so that students will be supplied not only the theoretical basis of emergency, as well as with the proper aid techniques in according to vital signs in extreme situations.</p>					
Teaching and learning methods	<p>Practical skills- on the medical clinic base in the area of emergency reception, cardio-emergency and emergency reanimation theater. Clinical rounds up: the active participation in the processes of patient’s examination, objective research, the discussion and interpretation of the results of clinical-laboratory and instrumental investigations, the attendance during reanimation and first aid process and various manipulations, duty in clinics emergency department.</p> <p>Consultation –individual support work with students (weekly)</p>					
Assessment criteria	Maximum score- 100:					

	<p>1. Midterm assessment -60 scores, that includes:</p> <p>1.1. Activity – 40 scores:</p> <p>1.1.1. Duty in clinics- 20 scores (4 duty X 5 scores)</p> <p>1.2.3. Practical skills - 20 scores;</p> <p>1.2. Midterm exam – 20 scores</p> <p>Clinical skills Assessment – 20 scores max.</p> <ul style="list-style-type: none"> • Accordance of theoretical knowledge and clinical skills -2 scores; • Manipulation exact consequence – 2 scores; • Clinical results interpretation skills - 2 scores; • Patients and doctors safety – 2 scores; • Communication skills with patients – 2 scores; • Ethical and deontology principles – 2 score; • Analytical thinking about diagnose – 2 score; • Proper orientation it terms of time-limit – 2 scores; • Emergency situation manage skills – 2 scores; • Patients’ agreement signing and preparation for procedure – 2 scores <p>Midterm Exam – 20 scores</p> <p>Is held in the combined written test form;</p> <ul style="list-style-type: none"> • (test consists of 20 multiple-choice questions, each question is rated as 0,5 score) -10 scores; • Clinical case analyses–(2cases X 5 scores)=10 scores <p>Minimal scores of midterm assessment (for final exam) – is 11.</p> <p>2. Final Exam -40 scores</p> <p>Final exam is held on the base of “Medical Skills Development Center”</p> <p>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.</p> <p>Student’s assessment has to be done in the following way:</p> <p>Positive rate:</p> <ul 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; <p>Negative rate:</p> <ul 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>Student can pass the additional exam during the same semester.</p> <p>The time interval between the final and the additional exams should be not less than 10 days.</p>
<p>The basic literature</p>	<ul style="list-style-type: none"> • Edited by: William C.Willson, Christopher M.Grande, David B.Hoy. Trauma Emergensity Resuscitation, Perioperative Anesthesia Surgical Management. Volume I. Informa Health Care.2007; • Edited by: William C.Willson, Christopher M.Grande, David B.Hoyt Trauma Critical Care

	<p>Volume I. Informa Health Care. 2007.</p> <ul style="list-style-type: none"> • Emergency Orthopedics, Edited by: Robert R. Simon; Scott C. Sherma, McGraw Hill Medical, VI ed, 2011.
The auxiliary literature	<ol style="list-style-type: none"> 1. ACEP First Aid Manual, 4th Edition. 4th edition, 2011 2. Essential Emergency Procedures. 1 edition, 2007 3. American Red Cross Community First Aid and Safety. 1 edition, 2002 Guidebook, People Medical http://medp; http://www.eurasiahealth.org/attaches/82495/1137.pdf

The tutorial/training course content

№	Subjects	Work in group (hour)
1	The general principles of first aid. Unconscious state (coma collapse, shock): clinical picture, first aid measures, treatment	12
2	Drowning into water, the first aid at drowning into water. Electrotrauma. The strategy of first aid during electrotrauma as a result of low voltage. The first aid during of animals, insects and snakes' bites.	8
3	Burns. The strategy during burns taking into account the burn severity. First aid during burns.	6
4	General principles of first aid. Head trauma. First aid during a concussion. Skull fracture. First aid during skull bones fractures. First aid alphabet DR-ABC. Cardiopulmonary resuscitation in adults. Peculiarities of cardiopulmonary resuscitation in children.	12
	Mid-term exam	2
5	First Aid during neck traumas. First aid during mechanical obstruction of the respiratory tract. Tracheotomy: surgery techniques for at the upper, middle and lower tracheotomy.	6
6	Unconsciousness and heart attack. First aid during unconsciousness due to heart failure. First aid during heart attack. Closed and open heart massage. Heart defibrillator using principles.	12
7	Abdominal cavity's and abdominal organs' traumatic injuries. First aid principles during abdominal traumas. Injuries. Injuries' primary surgical treatment. The suturing technique and main principles. First aid during different types of pelvic organs' injuries.	12
8	Bleeding. External bleeding. First aid during external bleeding. Methods of stop the external bleeding. Internal bleeding. Signs of internal bleeding. First aid during internal bleeding.	12
	Final Exam	2

Learning Outcomes

Criteria	Competences
Applying knowledge	<p>After completing the course, student will gain clinical skills, which are very important for future doctors. Student will be able to make independent decision in certain situations and provide first aid to the patient. This can happen in the street, at home, in the public transport during vacations and exercise. Also the students will:</p> <ul style="list-style-type: none"> • have skills in emergency settings during car accident and household traumas; • know the methods of stopping bleeding/hemorrhage and make sutures; <p>Student will be able to:</p> <ul style="list-style-type: none"> • get carotid artery and major arteries immediately and effectively; • provide emergency service in abdominal trauma; • provide CPR immediately and effectively; • use defibrillator in according of emergency situation; • provide first aid to the patient who suddenly have become sick;
Making Judgment (Analysis and Synthesis))	<p>Student is able to collect and interpret properly the anamnesis data of patients and make the valid conclusions.</p> <p>On the base of the theoretical and practical knowledge the scientific thinking and logical reasoning skills has to be formed to allow the student working out the appropriate strategy in the concrete academic and clinical situation.</p>
Communication Skills	<p>The student has elaborated the ability of communication with the patient and his/her relatives, will be able to give explanations about the disease, to discuss the plan of treatment, to talk about complications, to confirm the necessity of the participation in disease management, to protect the rights of patient.</p> <p>He/she will be able to talk with the colleagues, to show his/her ideas and to define his/her position.</p> <p>In the process of work at the clinic the student will keep the principles of subordination, will have the experience of group work, will be able to allocate time, to define the priorities in his/her activities, will be responsible for the performed and to estimate it objectively and critically.</p> <p>Student can working in group, has watching, listening, summarizing, asking and answering questions abilities, is able to participate in the discussion. During the education process the professional and friendly relationship has to be formed with the older (professors / teachers) and younger (this and other groups students) colleagues, communication with any person regardless of their social, cultural, religious or ethnic affiliation.</p>
Learning Skills	<p>Student can manage the different form of academic and scientific information from different sources (classic and electronic library, the Internet) to work fast and look for the relevant information effectively. These found materials has to be planned, processed, analyzed, and to make the best use for the report with the proper conclusions as in in writing, as well as in verbal form.</p> <p>The student will be aware of the update of his/her knowledge during the professional activities.</p>
Valuable	<p>Responsibility for the work has been done, its objective evaluation and critical view.</p>