

MED 6005 - Clerkship IV

Course Name	Code	Semester	Type of Course	Theory (hours)	Group Work (hours)	ECTS
Clerkship IV	MED 6005	XI	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 (emergency, traumatology, pulmonology and 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 5005, MED 5010, MED 5014					
The purpose (s) of tutorial course/modules	<p>This course is aimed to clinical skills are the discipline during which students learn medical skills using theoretical knowledge of surgery, internal medicine. Clinical skills are very important in the emergency settings, that’s why knowing skills is crucial for each student. This course is generally aimed to teach students first aid, emergency medicine (theoretical basis along with the technique of aid) in according of vital signs for the different extreme situations</p>					
Teaching and learning methods	<p>Practical skills- on the medical clinic base in the area of emergency reception and emergency theater, traumatology, pulmonology and cardiology department. 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>					

<p>Assessment criteria</p>	<p>Maximum score- 100:</p> <ol style="list-style-type: none"> 1. Midterm assessment -60: <ol style="list-style-type: none"> 1.1. Duty in clinics- 20 scores (2 duties X 10 scores for each) 1.2. Practical skills -max. 20 scores 1.3. Midterm exam – 20 scores <p>Clinical Skills Assessment (max. 20 score):</p> <ol style="list-style-type: none"> 1. Correspondence between theoretical knowledge and clinical skills – 2 score; 2. The proper sequence of manipulation – 2 score; 3. Clinical results interpretation skills – 2 scores; 4. Patients and doctor’s safety – 2 scores; 5. Communication skills with patients – 2 scores; 6. Ethics and deontology’s principles keeping– 2 scores; 7. Analytical thinking about diagnose – 2 scores; 8. Quick orientation skills in terms of time-limit -2 scores; 9. Emergency situation management skills – 2 scores; 10. Patients’ Agreement signing and preparation for the following procedures – 2 scores. <p>1.3. Midterm exam – 20 scores will be held as combined form (close multiple-choice questions, clinical cases analyses, medical history taking):</p> <ul style="list-style-type: none"> • written test -20 question, 0,5 score for each – max. 10; • clinical case analyse -5X2= 10 scores; <p>Minimal scores of midterm assessment (for final exam) – is 11.</p> <p>2. Final Exam -40 scores Will be held in the “Clinical Skills Development Center” The final exam would accounted as passed in case of maximum 70% or more (40X70 / 100 = 28 scores). Credit will be given to the student if he has collected at minimum 51 scores out of 100. Student’s assessment has to be done in the following way: Positive rate: (A) Excellent- 91 or more scores; (B) Very Good- 81-90 scores; (C) Good- 71-80 scores; (D) Satisfactory- 61-70scores; (E) Enough- 51-60 scores; Negative rate: (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. 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>
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The basic literature	<ul style="list-style-type: none"> • Cardiology. Publisher: Steven Merahn. Elsevier Science. 2003; • Harry B. Skinner, Patrick J. McMahon. Current Diagnosis and Treatment Orthopedics. McGrawHill Education Lange. V, 2014;
The auxiliary literature	<ul style="list-style-type: none"> • Judith E.Tintalini, Peter Cameron C.James Holliman EMS A practical Global Guidebook, People Medical Publisher House-USA, 2010 • http://medportal.ge/first_aid/menu.htm • http://www.eurasiahealth.org/attaches/82495/1137.pdf

The tutorial/training course content

Nº	Subjects	Work in group (hour)
1	Classification of traumas, chest injuries, pneumothorax, types of pneumothoraxes, heart attack, angina, cardiac asthma: clinical picture, ECG examination, treatment.	10
2	Classification of fractures, closed fractures diagnosis, the main methods of conservative treatment of fractures clinic	10
3	Open and closed fractures, immobilized, long-time pressure syndrome: clinical picture, treatment.	8
4	Classification of bone dislocations; Traumatic dislocations: clinical pictures, diagnostics, treatment, dislocation settings technics	8
5	Congenital dislocation of the hip joint, arthrosis with deformation of bones, large joints endoprosthesis replacement - arthroplasty	10
	Mid-term exam	2
6	Blood transfusions, blood classification by groups, patient's care after blood transfusion procedure	10
7	Women and men urinary catheterization; patients preparation for surgery, the patient's post-operative care.	8
8	Tuberculosis complications: lungs' bleeding, coughing up blood, pneumothorax: first aid, treatment and monitoring.	8
9	Tuberculosis clinical and laboratory diagnostic methods; minimal researches, additional and specific investigations (planning); clinical case definition.	8
	Final Exam	2

Learning Outcomes

Criteria	Competences
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Applying knowledge	<p>After completing the course, student will be gained in clinical skills, which is 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 be able to perform:</p> <ul style="list-style-type: none"> • immobilize the limb, first and for chest trauma; • men and women urinary catheterization; • blood group determination; • transfusion of blood components; • clinical manipulation during injuries, fractures and arthritis of the joints • tuberculosis diagnostic manipulations; • objective assessment of own practical skills have skills in emergency settings during car accident and household traumas;
Making Judgment (Analysis and Synthesis)	<p>Student will be able to collect and interpret properly the anamnesis data of patients and make the valid conclusions that will be optimal for medical intervention.</p>
Communication Skills	<p>The student will have 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. 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. 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>
Valuable	<p>Responsibility for the work, its objective evaluation and critical view will be done on the base of medical ethics principles.</p>