

**MED 4004 –General Surgery I**

Course Name	Code	Semester	Type of course	Theory (hours)	Group Work (hours)	ECTS
General Surgery I	MED 4004	VIII	Mandatory	28	43	5
Faculty, the educational program and education level	Faculty of Medicine, one-cycle Educational Program “Medicine”					
Author (s)	<p><b>Besarion Chakhvadze</b> – Assistant professor            Mob.tel. : 557 40 04 04;e-mail: <a href="mailto:besarion.chakhvadze@mail.ru">besarion.chakhvadze@mail.ru</a></p> <p><b>Gia Mukhashavria</b> –Assoc.professor            Mob.tel. : 597437876;e-mail:giamekhashavria@gmail.com</p> <p><b>Merab Kiladze</b> – invited teacher            Mob.tel.: 577 96 07 07;e-mail: kiladze@doctor.com</p> Consulting day and time - individually					
Educational course format	Lecture Work in group					
Educational course loading	<p><b>Total:</b> 150 Hours  <b>Contact hours:</b> 75 h</p> <ol style="list-style-type: none"> <li>Lecture – 28 h</li> <li>Team work – 43 h</li> <li>Midterms – 2 h</li> <li>Final exam -2 h</li> </ol> <p><b>Independent work</b> – 75h</p>					
Prerequisites	MED 1002-1008 Human anatomy					
The purpose (s) of tutorial course/modules	Introducing prevalent basic surgical diseases, methods of treatment, introducing surgical patient health history, providing appropriate physical research and determination of diagnostic procedures, acquisition of basic surgical skills.					
Teaching methods	<ol style="list-style-type: none"> <li>Verbal Method</li> <li>Demonstration</li> <li>Blitz Poll</li> <li>Analysis / Synthesis</li> <li>Demonstrating practical skills</li> <li>Training in a clinical setting</li> </ol>					
Assessment criteria	<p><b>Maximum score – 100 scores</b>  <b>Midterm assessment</b> – 60 scores, that includes:</p> <ul style="list-style-type: none"> <li>attendance – 10 scores;</li> </ul>					

- group work activity – 10 scores;
- project preparation and presentation – 10 scores;
- collecting health history – 5 scores;
- duty in clinics – 5 scores
- **Midterm exam – 20 scores**

**Group Work are Assessed Based on the Following Criteria** (maximum 10 point)

**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.

**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.

**8 scores** - Student has been able to bring forward a consistent knowledge, Has properly developed terminology. Demonstrates knowledge of the main readers.

**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.

**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.

**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.

**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.

**3 points** – Student demonstrates general/superficial and inconsistent knowledge of the subject. No sufficient knowledge of the literature.

**2 scores** - Student demonstrates general comments, no knowledge of the terminology, no consistency.

**1 score** – Student demonstrates insufficient answer, not terminology awareness, chronologic manner of the answer, mostly wrong, no knowledge of literature.

**0 score:** Student demonstrates not even elementary knowledge of the topics.

**Project preparation and presentation's criteria (10 scores - max.):**

1. Actuality of appointed problem – 1 score;
2. Proper planning- 1 score;
3. Literature data's observation in the frame of subject -1score;
4. Correspondence between the research methods and research purpose -1 scores;
5. Correctness of conclusion and the connection with the main text - 1 score;
6. Accuracy and reliability of indicated references and literature sources – 1 score;
7. Writing culture- 1 score;

8. Proper language and speaking style – 1 score

	<p>9. The presented matter’s visual and technical aspects - 1 score;  10. Debating and listening culture - 1 score;</p> <p><b>Medical History Taking – max 5 scores</b></p> <p>5 points - the task is understood properly, medical history component, clinical picture and diagnostics data, diagnosing and the treatment scheme is adequate and all the steps are described in consequential order; list of drugs is appointed properly with correct name and dozes;</p> <p>4 points - the task is completely understood, medical history component, clinical picture and diagnostics data, diagnosing and the general steps treatment is assembled in consequential order;</p> <p>3 points -the task is completely understood, but medical history component, clinical picture and diagnostics data, diagnosing and the general steps treatment is assembled in no consequential order;</p> <p>2 points – the task is not completely understood, medical history component, clinical picture and diagnostics data, diagnosing and the general steps treatment is assembled in no consequential order;</p> <p>1 point – Student demonstrates misunderstanding and no complete skills of medical history taking</p> <p>0 point - Student is not able to complete the task</p> <p><b>1.3. Midterm Exam – 20 scores</b></p> <p>Written test -40 question, 0,5 score for each – max. 20);  <b>Minimal scores of midterm assessment (for final exam) – is 11.</b></p> <p><b>1. Final Exam -40 scores</b></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.  Student’s assessment has to be done in the following way:</p> <p>Positive rate:</p> <ul style="list-style-type: none"> <li>• (A) Excellent- 91 or more scores;</li> <li>• (B) Very Good- 81-90 scores;</li> <li>• (C) Good- 71-80 scores;</li> <li>• (D) Satisfactory- 61-70 scores;</li> <li>• (E) Enough- 51-60 scores;</li> </ul> <p>Negative rate:</p> <ul style="list-style-type: none"> <li>• (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;</li> <li>• (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.</li> </ul>
<p><b>The basic literature</b></p>	<p>Essential Practice of Surgery. Basic Science and Clinical Evidence. Edited by: Jeffrey A. Morton, Randal Bollinger, Alfred E.Chang, ect. Springer2002</p>

<b>The auxiliary literature</b>	General Surgecal Operations. R.M.Kirk. Churchill Livingstone Elvesier 2005 Current Surgical Therapy. John L.Cameron. Mosby Elsevier 2012
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**The tutorial/training course content**

Nº	Subjects	Lecture (hour)	Work in group (hour)
1	Preoperative evaluation and postoperative care, history of general surgery, fluid and electrolyte regulations, Wond healing, Radiological evaluation of the surgical patient,	2	3
2	Shock, Metabolic and endocrine response to trauma	2	3
3	Nutrition, Transplantation, Peritonitis and intra-abdominal infections, Surgical infections, Antibiotic use in general surgery, Acute abdomen	2	4
4	Abdominal Wall hernias	2	3
5	Trauma, Abdominal trauma, Gastrointestinal bleeding	2	3
6	Mesenteric vascular diseases, Burns	2	3
	<b>Midterm</b>	0	2
7	Diseases of the parathyroid glands, Surgical treatment of thyroid diseases, Surgical treatment of adrenal diseases	2	3
8	Diseases of the breast	2	3
9	Diseases of the esophagus	2	3
10	Gastric tumors, Surgical treatment of morbid obesity, Ethics in surgery. Case discussions	2	3
11	Intestinal obstruction, Surgical treatment of the inflammatory bowel disease, Colorectal tumors	2	3
12	Anorectal diseases, Diseases of the appendix	2	3
13	Liver tumors, Tumors of the peri-ampullar regions	2	3
14	Acute pancreatitis. Cystic diseases of the liver	2	3
	<b>Final exam</b>		2

**Learning Outcomes**

Criteria	Competences
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Knowledge and Understanding	Student has a deep knowledge of the issues on the study course, which gives a new, original ideas, understands the solutions to certain problems;
Applying Knowledge	Solving complex problems by new, original ways that includes conducting research using the most recent methods and approaches in a new, unpredictable and multidisciplinary environment;
Making Judgment	Making judgments on the basis of complex and incomplete information (among them are providing new research analysis) using the method of critical analysis. Making the innovative synthesis by recent data and information;
Communication Skills	Communicating conclusions, arguments and research methods with the academic and professional community taking into account the academic integrity standards and information and communication technologies;
Learning Skills	Ability to independently manage, and strategically planning a high-level understanding of the peculiarities of the process of learning;
Values	Evaluating his/her own and others attitudes towards values and to contribute establishing his/her own value.