

MED 6002 –General Surgery II

Course Name	Code	Semester	Type of course	Theory (hours)	Work in group (hours)	ECTS
General Surgery II	MED 6002	XII	Elective	35	66	7
Faculty, the educational program and education level	Faculty of Medicine, one-cycle Educational Program “Medicine”					
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Educational course format	Lecture Group work					
Educational course loading	<p>Total: 210 Hours Contact hours: 105 h 1. Lecture – 32 h 2. Team work – 69 h 3. Midterms – 2 h 4. Final exam -2 h Independent work – 105 h</p>					
Prerequisites	MED 4004 – General Surgery I					
The purpose (s) of tutorial course/modules	The student will take a theoretical knowledge about the surgical pathology and develop relevant clinical skills. The routine and urgent surgical management of patients (previous operational research and preparation procedures for the operation, surgical technique and postoperative treatment manipulations) will be learnt.					
Teaching methods	1. Verbal Method 2. Demonstration 3. Project preparation and presentation 4. Blitz poll 5. Analysis / Synthesis 6. Practical skills demonstrating 7. Training in a clinical setting					

Assessment criteria	<p>Maximum score – 100 scores</p> <p>Midterm assessment – 60 scores. These points are divided in a following way: 20 scores out of 60 are given to midterm exam and the rest 40 scores are given to the final exam.</p> <ul style="list-style-type: none"> • Lectures attendance – 10 scores; • Group work activity– 10 scores; • Project preparation and presentation 10 scores; • Patients’ medical history management – 5 scores; • Duty in hospital – 5 scores. • Midterm exam – 20 scores <p style="text-align: center;">Group Work is Assessed Based on the Following Criteria (maximum 10 point)</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 points – 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>Project preparation and presentation’s criteria (10 scores - max.):</p> <ol style="list-style-type: none"> 1. Actuality of appointed problem – 1 score; 2. Academic content - 1 score; 3. Literature data’s observation in the frame of subject -1score; 4. Correspondence between the research methods and research purpose -1 scores;
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5. Coherence of argumentation- 1 score;
6. Correctness of conclusion and the connection with the main text - 1 score;
7. The presented matter's visual and technical aspects - 1 score;
8. Debating and listening culture - 1 score;
9. Accuracy and reliability of indicated references and literature sources – 1 score;
10. Proper language and speaking style – 1 score.

Medical History Taking – max 5 scores

5 scores- 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 doses;

4 scores - the task is completely understood, medical history component, clinical picture and diagnostics data, diagnosing and the general steps treatment is assembled in consequential order;

3 scores -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;

2 scores – 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;

1 score – Student demonstrates misunderstanding and no complete skills of medical history taking

0 score- Student is not able to complete the task

Midterm Exam – 20 scores

Written test -40 question, 0,5 score for each – max. 20 scores)

Minimal scores of midterm assessment (for final exam) – is 11.

Final exam – max 40 scores

The final exam is held in the form of testing. The test consists of 80 questions (open/closed), each question is 0.5 score.

Credit will be given to the student if he has got at least 51 points out of 100.

The students' 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- 61-70 scores;
- (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.

The student has right to pass an additional examination in the same semester. The interval between the final and the additional exams shall not be less than 10 days.

The basic literature	<ol style="list-style-type: none"> 1. R.M.KIRK. GENERAL SURGICAL OPERATIONS. CHURCHILL LIVINGSTONE ELSEVIER. 5TH ED. 2005; 2. JOHN D. CORSON ROBIN CN. WILLIAMSON. SURGERY. MOSBY ELSEVIER. 2001. 3. SCHWARTZ'S PRINCIPLES OF SURGERY. EDITED BY:F.CHARTLES BRUNICARDI. MCGROW HILL EDUCATION. 10TH ED, 2015.
The auxiliary literature	<ol style="list-style-type: none"> 1. General Surgical Operations. R.M.Kirk. Churchill Livingstone Elsevier 2005 2. Current Surgical Therapy. John L.Cameron. Mosby Elsevier 2012

The tutorial/training course content

Nº	Subjects	Lecture (hour)	Work in group (hour)
1	Surgical infection: classification, treatment and management	3	6
2	Surgical bacterial infections. Inflammatory processes of skin and hypodermic fatty tissue pyesis. Inflammatory diseases of flat connective tissue. Cellulitis	3	6
3	Palms' purulent-inflammatory diseases	3	6
4	Deep and widespread surgical infections - serous cavities purulent lesions	3	6
5	Deep muscle-fascial layers purulent-inflammatory diseases. Bones, joints and their capsules purulent-inflammatory diseases	3	6
	Midterm		2
6	Systemic inflammatory response (SIRS) and multiple organs dysfunction (MODS) syndrome. Bacteremia and sepsis	3	6
7	Specific wound infections	3	5
8	General principles of Clinical Oncology	3	5
9	Surgical parasitic diseases	3	5
10	Disorders of the extremities blood and lymph circulation	3	5
11	Developmental malformations. Plastic and Reconstructive Surgery. Transplantation.	3	5
12	Intra-abdominal infections' treatment; sepsis and septic shock treatment	2	5

	Final Exam		2
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Learning Outcomes

Criteria	Competences
Knowledge and Understanding	<p>Student will have a deep knowledge of the issues on the study course, which gives a new, original ideas, understands the solutions to certain problems:</p> <ul style="list-style-type: none"> • Acute and chronic surgical infections (bacterial and parasitic) determination, classification, diagnosis and treatment methods; • Define classification, features and treatment of the skin and soft tissues' purulent lesions • Assess of a general form of malignant cancer development risk factors, its prevention and treatment methods; • Understand the necessity and importance of on-time determination and treatment of developmental malformations and malignant tumors.
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 (Analysis and Synthesis)	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 their own and others attitudes towards values and to contribute establishing of their own value.