

SYLLABUS

INTERNATIONAL EUROPEAN
UNIVERSITY



**SCHOOL OF
MEDICINE**

General surgery

2021



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Discipline 

 General surgery

Teacher 



Teacher profile 



Consultations:

Eye consultations  First Thursday of the month from 15:00 to 16:00

Online consultations  The second Wednesday of the month from 15:00 to 16:00

Contact Phone 



Discipline page 



Summary control form 



Short abstract of the discipline

test	differentiated offset	exam
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1 Short abstract of the discipline

"General Surgery" is a clinical discipline, during the study of which students learn basic theoretical knowledge on the organization of surgical care, desmurgy, organization of sanitary and epidemiological regimen in a surgical clinic, bleeding and its stopping, transfusiology, anesthesiology and resuscitation, various traumatological lesions, surgical infection, transplantology, oncology, surgical examination. The assimilation of theoretical material is accompanied by the acquisition of appropriate integral, general and professional competencies.

2 Prerequisite for studying the discipline

The discipline "General Surgery" is based on knowledge, received by students during the study of such fundamental disciplines as anatomy, histology, physiology, pathological anatomy, pathological physiology, propedeutics of internal medicine, pharmacology, and lays the foundations for the study of clinical surgery, traumatology and orthopedics, urology, neurosurgery, obstetrics, gynecology, anesthesiology, reanimatology and other educational disciplines. Treatment.

3 The purpose and objectives of the discipline

The purpose of teaching the discipline is to acquire students with knowledge of the organization of surgical care, recognition of basic pathological processes and damages, the basics of clinical examination of surgical patients and the principles of surgical treatment.

1.1. The main objectives of studying the discipline are

- assimilation of the main measures necessary for the organization of work in the surgical department and ensuring the prevention of the occurrence and spread of intra-hospital infection;
- acquiring practical skills in applying bandages using various dressing materials;
- acquiring practical skills to provide first aid in conditions such as bleeding, closed soft tissue damage, bone fracture, deers, long-term compression syndrome, wound, burn, frostbite; acquiring practical skills for the preparation and transfusion of blood components of the donor;
- assimilation of knowledge on the basics of local and general anesthesia, to acquire the ability to choose the method of anesthesia depending on the patient's condition and the existing surgical pathology;
- acquisition of practical skills for diagnosis and differential diagnosis in various surgical infectious processes, obtaining skills in choosing a therapeutic program and means of prevention in surgical infection;
- assimilation of knowledge on the basics of plastic surgery and transplantology, to have deontological and legal aspects during transplantation;
- acquire skills for examination of a surgical patient and registration of results in the relevant medical documentation; formation of moral, ethical and deontological qualities in professional communication with the patient.

4 Learning Outcomes

PRNA-1 Collect data on patient complaints, medical history, history of life.

PRNA-2 To study information about the diagnosis using the standard procedure, the results of instrumental research (on the list 4).

PRNA-3 Specify leading clinical symptom or syndrome (on list 1) Establish the most likely or syndrome diagnosis of the disease (on list 2). Prescribe laboratory and/ or instrumental examination of the patient (on the list 4). Carry out differential diagnosis of diseases (according to the list 2). Establish a preliminary clinical diagnosis (on list 2).

PRNA-4 Define the necessary mode of operation and rest in the treatment of the disease (on the list 2).

PRNA-5 Discover the necessary therapeutic nutrition in the treatment of the disease (on the list 2).



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4 Learning Outcomes

- PRNA-6 Define the principles and nature of treatment (conservative, operative) disease (on list 2).
- PRNA-7 Inscessit diagnosis (on list 3).
- NRNA-8 Define tactics for emergency medical care on the basis of a diagnosis of an emergency (on the list 3).
- PRNA-9 Provide emergency medical care on the basis of a diagnosis of an emergency (on the list 3).
- NRF-14 Define the source and/or location of the necessary information depending on its type; receive the necessary information from a certain source; Process and analyze the information received.
- NRL- 16 Prepare an annual report on personal production activities; to keep medical documentation on the patient and contingent of the population in the state language.
- NRF-21 Form goals and define the structure of personal activity. Be able to make informed decisions, choose ways and strategies of communication to ensure effective teamwork. Be responsible for the choice and tactics of the way of communication.
- NRNA-23 Ins realize and be guided in its activities by civil rights, freedoms and responsibilities, to raise the general cultural level.
- NRF-24 Adhere to the requirements of ethics, bioethics and deontology in its professional activities.
- NRF-25 Organize the required level of individual safety (own and persons concerned) in case of typical dangerous situations in the individual field of activity.
- NRL-26 Perform medical manipulations (on list 5).

5 ECTS Loans

3 creditand / 90 academic hours

6 Structure of discipline

Name of table of contents sections and topics	Number of hours					
	full-time form					
	Just	including				
l		p	lab	ind	i.w.	
SECTION 1:1:1 WITH THE AGAL ASPECTS OF SURGERY.						
Table of Contents Section 1. Introduction to surgery. Surgery. Desmurgy.						
Theme 1. Aseptics in surgery. Modern methods of antiseptics and their characteristics.	6	2	2			2
PTotal by Table of Contents 1	6	2	2			2
Table of Contents Section 2. Operation. Basic principles of anesthesia. Fundamentals of reanimatology.						
Theme 2. Preoperative period Surgical operation. Basics of mini-invasive and organ-saving surgery.	2		2			
Topic 3 Postoperative period.	2		2			
Topic 4 Local anesthesia in surgical practice. Principles of general anesthesia in surgery.	7	2	2			
Topic 5 Basics of reanimatology.	6		2			3
Total by Table of Contents 2	17	2	8			3



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Structure of discipline

Name of table of contents sections and topics	Number of hours					
	Just	full-time form				
		including				
	1	p	lab	ind	i.w.	
Table of Contents Section 3. Bleeding and blood loss.						
Theme 6. The concept of bleeding and blood loss.	4	2	2			
Theme 7. Teachings about blood groups and Rh factor. Methods for determining them	7		2			5
Theme 8. Components, blood preparations and blood substitutes, technique of hemotransfusion and transfusion of blood substitutes. Errors and complications during blood transfusions and bloodsucking.	7	2	2			
Total content section 3	18	6	6			9
SECTION 2. WITHAGAL SEMIOTICS AND METHODS OF DIAGNOSIS OF BASIC PATHOLOGICAL PROCESSING EXAMINATION, CURATION AND BASICS OF REHABILITATION OF THE SURGICAL PATIENT.						
3Table of Contents Section 1. Examination of the surgical patient. General semiotics closed damage to soft tissues, internal organs, bones and joints						
Topic 9 Clinical, laboratory and instrumental methods of examination of surgical patients	4		2			2
Theme 10. Closed damage to soft tissues, skull, chest and abdomen. Semiotics of bone and joint damage	6	2	2			2
Theme 11. Polytrauma. Traumatic shock. Long-term compression syndrome: pathogenesis, clinic, first aid diagnosis, principles of treatment.	2	2	2			2
In total section 2.	6	4	4			6
Table of Contents Section 2. The basics of semiotics of changes in tissues caused by the influence of environmental factors. Open damage.						
Theme 12. Semiotics wounds. Phases of the wound process. Treatment of fresh wounds. Basic principles of treatment of infected and purulent types of wounds.	7		2			5
Theme 13. Burns: classification, clinic. First aid for various types of burns. Burn disease. Electrotrauma: mechanism of electric shock; clinical signs; diagnostics; first aid and its features. Treatment of burns. Frostbite. Freezing.	9	2	2			5
Theme 14. Semiotics of acute nonspecific surgical infection of soft tissues. Semiotics of purulent diseases of bones, joints, synovial bags and brushes. Semiotics of acute and chronic specific surgical sepsis infections.	8	2	2			4
Theme 15. Protection of medical history.	8		2			4
Final lesson of the section	8		2			
Total hours	8	16	32			42

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Signs of discipline

Term of teaching	Semester	International disciplinary integration	Course of the year (training)	Cycles: General Training/ Training/ Free Choice



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7 Signs of discipline

Term of teaching	Semester	International disciplinary integration	Course of the year (training)	Cycles: General Training/ Training/ Free Choice
1 semester	V	Yes	3 year	General Training Cycle

8 General discipline assessment system

The current success of students is estimated on a 4-point scale (2; 3; 4; 5) at each practical level, taking into account the approved evaluation criteria for the relevant discipline. The student must receive an assessment on each topic for further conversion of grades into scores on a multi-point (200-point) scale.

Evaluation criteria for current academic activities:

Excellent ("5") – the student correctly answered 90-100% of A-format tests (from the "Krok-2" database).

Good ("4") - the student correctly answered 70-89% of tests format A. Has the necessary practical skills and techniques for their implementation to the extent exceeding the required minimum.

Satisfactory ("3") - the student correctly answered 50-69% of tests format A. Has only a mandatory minimum of research methods.

Unsatisfactory ("2") - the student correctly answered 50% of the tests format A. During the response and demonstration of practical skills makes significant, gross mistakes.

Evaluation of students' independent work on preparation for classroom practical classes is carried out during the current control of the topic at the appropriate classroom.

Semester scoring is rated on a two-point scale (enrolled/not counted) and on a 200-point scale by determining the average arithmetically for each practice session on a 4-point scale and its subsequent conversion into a 200-point scale. The minimum number of points that an applicant must score is 120.

Final control includes standardized control of theoretical preparedness (testing, oral questioning, evaluation of individual tasks) and practical training (structured by the procedure of control of practical skills on simulators and mules).

QR Code: <https://ie.u.edu.ua/docs/rate-of-study.pdf>

9 Conditions of admission to final control

Students who have completed all types of work, tasks provided by the curriculum for a semester in accordance with the academic discipline are admitted to semesterfinal control, visited all classes provided for by the curriculum, wrote and passed the medical history and have an average score for the current academic activity of at least "3" (72points and on a 120-point scale).

QR Code: <https://ie.u.edu.ua/docs/rate-of-study.pdf>

10 Discipline policy

The policy of academic discipline is determined by the requirements that scientificpractical employees present to the applicants in the study of clinical discipline. The condition for a successful educational process is the personal observance of the rules of conduct adopted by each student of a higher educational institution both at the university and in society.

The student must come to class on time, be dressed in an academic medical uniform (white robe or surgical suit). The student must adhere to the schedule of the educational process, come to classes prepared on the topic of the lesson. During the class, the student should not leave the classroom without the permission of



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Discipline policy

the teacher; use during classes mobile phone and other means of communication and obtaining information without the permission of the teacher, engage in third-party activities, distract other students. When writing different types of works, the student must adhere to the rules of academic integrity.

The teacher must adhere to the implementation of the educational and thematic plan, objectively evaluate the knowledge and skills of students. During the educational process, the teacher should remember about anti-corruption measures and not conduct corruption activities.

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Policy on skipping classes and completing tasks after the deadline

The student, who, for good reasons, confirmed documented, was not subject to the current control of the masses the right to undergo current control within two weeks after returning to study.

A student who was absent from classes without good reason, did not participate in current control measures, did not eliminate academic debt, is not allowed to final semester control of knowledge in this discipline, and on the day of passing the exam in the examination information, the scientific and pedagogical staff is assessed "unacceptable". Re-preparation of a differentiated test in the discipline is appointed subject to the implementation of all types of educational, independent (individual) work provided for by the working curriculum of the discipline and is carried out in accordance with the schedule of liquidation of academic debt approved by the Director.

QR Code: <https://ieu.edu.ua/docs/050.pdf>

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Academic Integrity Policy

Participants of the educational process are guided by the principles of academic integrity

QR Code: <https://ieu.edu.ua/docs/050.pdf>

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Recommended sources of information

Main literature:

1. General surgery: textbook / S. D. Khimich, M. D. Zheliba, , I. G. Gerich, etc.: for ed. professors S. D. Khimich, M.D.Zheliby,. – K.: VSV "Medicine", 2018. – 608 p.
2. New book 2019- 328 p.
3. General surgery: textbook / M. D. Zheliba, S. D. Khimich, I. G. Gerich, etc.: for ed. professors M.D.Zheliba, S.D. Khimich. – K.: VSV "Medicine", 2010, 2016. – 448 p.
4. General surgery: textbook / N. D. Zhaliba, S. D. Khimich, I. G. Gerich et al.: pod red. Professors N. D. Zheliba, S. D. Khimich. – K.: VSI "Medicine", 2011, 2016. – 488 p.
5. Surgery. (Textbook on General Surgery) / ed.. Prof. Y.S.Bereznytsky. – Dnepropetrovsk, RVA "Dnipro VAL", T.I. – 2014. – 443c.
6. Petrov S.V. General surgery: St. Petersburg – 2016.-832 s

Auxiliary:

1. Outpatient surgical manipulations / ed. Prof. Field VP, Shkvarovsky IV, Zheliby MD - Chernivtsi: Medical University, 2013. –252 p.
2. Care of patients of surgical profile / VP Polevoy, OY Khomko, SP Poleva, AS Palyanytsya, IO Vyshnevsky. - Chernivtsi: Medical University - 2012. - 380 p.
3. Lecture Notes: General Surgery / Harold Ellis, Sir Roy Calne / New York 2016/749 p.
4. First aid / Andryushchenko VP, Kushta YF, Andryushchenko DV - Lviv, Lviv National Medical University, 2011. - 351 p.



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Recommended sources of information

5. Field VP Outpatient surgical manipulations / VP Field, IV Shkvarkovsky, MD Zheliba. - Chernivtsi: Medical University, 2013. - 252 p.
6. Fistal EY, Kozynets GP, Samoilenko GE etc. Combustiology. - K., 2004. - 184 p.
7. Khimich SD Handbook of surgeon / SD Khimich. - Kyiv: Health, 2011. - 240 p.
8. Surgery. Vol. 1: Textbook of general surgery / edited by Ya. S. Berezhnytsky, MP Zakharash, VG Mishalov, VO Shidlovsky. - Dnipropetrovsk .: RVA "Dnipro VAL", 2006. - 443 p.
9. Pantio VI General surgery: a textbook / VI Pantio, VM Shimon, OO Boldizhar - Uzhgorod: IVA, 2010. - 464 p.
10. Butyrsky OG General surgery: a guide for students, interns and young surgeons / OG Butyrsky. - Simferopol: PE "Elinho", 2009. - 460 p.
11. Lyapis MO Methods of examination of a surgical patient / MO Lyapis - Ternopil, 2000.

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Tips for successful training on the course

If you want to be successful in this discipline, then you must:

1. Be active, persistent, inquisitive, consistent
2. Be tidy and polite
2. Systematically prepare for practical classes
3. Perform tasks for independent work and protect them in the classroom.
3. Attend the class in a medical gown
4. Independently solve tests and tasks, actively work in the classroom.
5. Prepare presentations and crossword puzzles in the discipline. Participate in student scientific conferences and engage in research work in scientific circles of the department.

I wish you perseverance, dedication and motivation to study. . and then success will come to you!

Don't forget your medical gowns!