

**Odessa National Medical University**  
**Faculty of Medicine**  
**Department of Surgery №3**

**Syllabus course**  
**OF POLYCLINIC MEDICAL PRACTICE.**  
**“SURGERY. (THORACIC, CARDIAC, ENDOCRINE SURGERY)».**

<b>Amount</b>	1,0 credits / 30 hours
<b>Semester, year of study</b>	IX-X semester, V year of study.
<b>Days, time, place</b>	According to the schedule on the basis of the Department of Surgery №3: Center for reconstructive and restorative medicine, Tenista street, 8
<b>Teacher (s)</b>	All teachers of the department. Head of the Department Volodimir Bondar, doctor of Medical Sciences, Professor
<b>Contact phone</b>	050-928-05-05
<b>E-mail</b>	volodymyr.bondar@onmedu.edu.ua
<b>Workplace</b>	Classrooms of the Department of Surgery №3: Tenista street, 8
<b>Consultations</b>	<i>Eye consultations:</i> Wednesday from 15:00 to 17:00; Saturday from 9.00 to 13.00 <i>Online consultations:</i> Wednesday from 15.00 to 17.00; Saturday from 9.00 to 13.00 via MC Teams, Zoom

### **COMMUNICATION**

Communication with applicants will be through face-to-face meetings. In case of transition to distance learning, communication with applicants will be carried out by E-mail and programs: Microsoft Teams, Telegram and Viber.

### **COURSE ANNOTATION**

The subject of study of the practice is to determine the methods of medical manipulations and procedures, transportation of patients, transfusion of donor blood components, to apply measures to prevent the occurrence and spread of nosocomial infections..

***Prerequisites of the course:*** human anatomy - determination of topographic and anatomical relationships of organs and body systems; microbiology: virology and immunology - interpretation of the biological properties of pathogenic and non-pathogenic microorganisms; surgery - to provide emergency medical care for the most common surgical conditions.

***Postrequisites of the course:*** the formation of the ability to apply knowledge of surgery in the process of further training in professional activities.

***The goal of the*** - is to achieve the main ultimate goals defined in the educational and professional training program for masters in the specialty 222 "Medicine" and is the basis for building the content of practical training. On the basis of the ultimate goals, specific goals are formulated in the form of certain skills

(actions), target tasks that ensure the achievement of the ultimate goal of practical training. The ultimate goals of practical training in patient care:

1. Demonstrate mastery of moral and deontological principles of a medical specialist and the principles of professional subordination in the care of patients of therapeutic and surgical profiles.

2. Demonstrate mastery of the skills of organization and care of patients with various diseases of the surgical profile, to perform the necessary medical manipulations..

***The task of the practice:***

- determine methods of diagnosis, algorithm of conservative and operative treatment of surgical diseases of the digestive system, cardiovascular and respiratory systems, depending on the occurrence and occurrence of features of their clinical manifestations in outpatient department;
- learn the differential diagnosis of diseases of the organs of the abdominal cavity, extraperitoneal space and chest;
- determine the principles of postoperative treatment and rehabilitation of patients with surgical pathology;
- to identify modern methods of diagnosis and treatment, postoperative supervision and rehabilitation of surgical diseases in outpatient department ;
- learn risk factors for complications of diseases of the digestive system, cardiovascular and respiratory systems;
- interpret the results of laboratory and instrumental research of the digestive system, cardiovascular and respiratory systems;
- demonstrate mastery of the moral and deontological principles of a medical specialist and the principles of professional subordination in surgery;
- to carry out a prognosis of life and working capacity in case of surgical diseases of the digestive system, cardiovascular and respiratory systems;
- interpret the general principles of treatment, rehabilitation and prevention of the most common surgical diseases of the digestive system, cardiovascular and respiratory systems;
- demonstrate the ability to maintain medical documentation in the clinic of surgical diseases;
- provide emergency medical care for urgent diseases of the digestive system, cardiovascular and respiratory systems.

***Expected results:***

- demonstrate mastery of the moral and deontological principles of a medical specialist and the principles of professional subordination in general surgery;
- determine the most common clinical symptoms and syndromes in the clinics of surgical diseases;
- to analyze the results of examination of dental patients with general surgical pathology;
- apply methods of statistical analysis of medical and biological data;
- carry out basic methods of general clinical examination of the patient (interview, examination, palpation, percussion, auscultation), determine a certain amount of additional research and analyze the obtained data to establish a preliminary diagnosis;
- perform general medical manipulations (bandages, injections, washing of the stomach and intestines, stopping bleeding, transport and medical immobilization for dislocations and fractures of bones, local infiltration and

conduction anesthesia, transfusion of blood and blood substitutes) and decide on the issue of referring the patient to a specialist ;

- provide the necessary assistance in case of short-term loss of consciousness, collapse, shock, coma, allergic reactions, asphyxia, acute abdomen, trauma, bleeding, burns, frostbite;
- carry out resuscitation measures in terminal conditions and refer patients to a specialized department;

## **COURSE DESCRIPTION**

### ***Forms and methods of teaching***

The course will be presented in the form of practical lessons (6 hours), organization of applicants' independent work (30 hours). Provides for individual and group consultations on the study of practical skills in the office of practical skills.

### ***The content of the practice***

#### **Theme 1. Wounds.**

Definition. Classification. Stages of the wound process. Classification of purulent infection of soft tissues. Principles of treatment of purulent wounds. Purulent diseases of the skin and subcutaneous tissue, their diagnosis and treatment in a polyclinic. Purulent inflammation of cellular spaces. Features of the course and principles of treatment of purulent infection of the soft tissues of the face. Clinical features and treatment of inflammatory processes in patients with diabetes mellitus. Methods of surgical operations and drainage of purulent voids in a polyclinic. Prevention of inflammatory diseases of soft tissues.

#### **Theme 2. Burns, electrical trauma, radiation injuries, frostbite.**

Burn classification. Etiology of burn injuries, significance of predisposing factors. The mechanism of local and general changes in the body during burns, including chemical and electrical injuries. Diagnosis and treatment of different periods of burn disease. The Franco coefficient and its use. The value of determining the area of the burn. Complication of burn disease, its treatment, prevention. Classification of frostbite and general hypothermia of the body. Clinic and diagnosis of frostbite. First aid for frostbite and general hypothermia of the body. Local and general treatment of frostbite and general hypothermia of the body. Features of electrical injury (clinic, diagnosis, course, first aid, treatment).

#### **Theme 3. Acute purulent diseases of soft tissues.**

Furuncle, carbuncle, hydradenitis, abscess, phlegmon, mastitis, erysipelas, lymphangitis, lymphadenitis, paraproctitis. Etiology, pathogenesis, diagnosis. Features of the clinical course. Differential diagnosis. Specific research methods. Methods of conservative and surgical treatment in a polyclinic.

#### **Theme 4. Necrosis. Gangrene. Ulcers. Fistulas.**

Classification, definition, pathomorphology, clinical picture, course, complications, treatment. Etiology, pathogenesis, diagnosis. Features of the clinical course. Differential diagnosis. specific research methods. Methods of conservative and surgical treatment in a polyclinic.

## **Theme 5. Acute anaerobic (clostridial and non-clostridial) infection.**

Emphysematous, edematous-toxic, phlegmonous, putrefactive. Classification, Etiology, pathogenesis, diagnosis. Features of the clinical course. Differential diagnosis. Specific research methods. Methods of conservative and surgical treatment of polyclinics.

### **Differential credit.**

#### *List of recommended reading*

##### **Basic .**

1. Gozie Offiah, Arnold Hill//RCSI Handbook of Clinical Surgery for Finals. 4th ed. 2020
2. Цигикало О. В. Clinical Anatomy and Operative Surgery=Клінічна анатомія і оперативна хірургія.. Підручник для ВМНЗ IV р.а.: Рекомендовано МОЗ: 2020/ 528 с.
3. Березницький Я. С. (за ред.) General Surgery=Загальна хірургія. — 2-ге вид. Підручник для ВМНЗ III—IV р.а.: Рекомендовано ДУ“Центр.метод.каб.з вищої мед.освіти МОЗ України”: 2020/ 328 с.
4. Christian de Virgilio, Areg Grigorian//Surgery: A Case Based Clinical Review. 2nd Ed. 2020
5. General Surgery=Загальна хірургія: Підручник для мед. ун-тів., інст., акад. Затверджено МОН / За ред. С.Д. Хіміча, М.Д. Желіби. — К., 2019. — 536 с.
6. The Bethesda handbook of clinical oncology / editors, Jame Abraham, James L. Gulley. Fifth Edition. Copyright © 2019 Wolters Kluwer
7. JANE C. ROTHROCK// Alexander's Care of the Patient in Surgery. 16th Ed. 2019

##### **Additional .**

1. Hamilton Bailey's Physical Signs: Demonstrations of Physical Signs in Clinical Surgery, 19th Edition Paperback – Import, by John S.P Lumley (Author), Anil K. D'Cruz (Author), Jamal J. Hoballah (Author), Carol E.H. Scott-Connor (Author) 25 Feb 2016
2. Schwartz's Principles Of Surgery With DVD Hardcover – 2014 by F. Charles Brunicaudi (Author), Dana K. Andersen (Author), Timothy R. Billiar (Author), David L. Dunn (Author), John G. Hunter (Author), & 2 More

## **12. Electronic information resources**

1. <http://moz.gov.ua> – Міністерство охорони здоров'я України
2. [www.ama-assn.org](http://www.ama-assn.org) – Американська медична асоціація / American Medical Association
3. [www.who.int](http://www.who.int) – Всесвітня організація охорони здоров'я
4. [www.dec.gov.ua/mtd/home/](http://www.dec.gov.ua/mtd/home/) - Державний експертний центр МОЗ України
5. <http://bma.org.uk> – Британська медична асоціація
6. [www.gmc-uk.org](http://www.gmc-uk.org) - General Medical Council (GMC)
7. [www.bundesaeztekammer.de](http://www.bundesaeztekammer.de) – Німецька медична асоціація
8. <http://medforum.in.ua/partners-> Асоціація хірургів України
9. <http://endoscopy.com.ua/> - Асоціація ендоскопічних хірургів України
10. <http://thoracic-surgery.com.ua/> - Асоціація торакальних хірургів України
11. <https://youcontrol.com.ua/> - Асоціація судинних хірургів України

## **EVALUATION**

Different forms of control of classes in this practice are used in teaching (oral, written, combined, testing, practical skills, etc.). The results of applicants' academic success are presented in the form of assessment on the national scale, 200-point and ECTS scale and have standardized generalized criteria for assessing knowledge:

*national scale:*

- mark "**excellent**" is given to the applicant who systematically studied during a semester, showed during differential test various and deep knowledge of a program material, is able to successfully carry out tasks which are provided by the program, has mastered the basic and additional literature, has understood interrelation of separate sections of practice. importance for the future profession, showed creative abilities in understanding and using educational material, showed the ability to independently update and replenish knowledge; level of competence - *high (creative)*;

- mark "**good**" is given to a applicant who has shown full knowledge of the program material, successfully completes the tasks provided by the program, mastered the basic literature recommended by the program, showed a sufficient level of knowledge of the practice and is able to independently update during further study and professional activity; level of competence - *sufficient (constructive-variable)*;

- mark "**satisfactory**" is given to the applicant who has shown knowledge of the basic educational program material in the volume necessary for the further training and the subsequent work on a profession, copes with performance of the tasks provided by the program, has made separate mistakes in answers on differential test and at performance of examination tasks, but has the necessary knowledge to overcome mistakes under the guidance of a research and teaching staff; level of competence - *average (reproductive)*;

- mark "**unsatisfactory**" is given to the applicant who did not show sufficient knowledge of the basic educational and program material, made fundamental mistakes in performance of the tasks provided by the program, cannot use the knowledge at the further training without the teacher's help, failed to master skills of independent study; level of competence - *low (receptive-productive)*.

*The multi-point scale* characterizes the actual success of each applicant in mastering the practice. Conversion of the traditional grade from the practice to 200-point is performed by the information and computer center of the university program "Contingent" by the formula:

**grade point average (current / practice) x 40**

National mark	Balls
"5"	185 - 200
"4"	151 - 184
"3"	120 - 150

*The differential test* is carried out at the last lesson of the practice based on the results of the final interview with the mandatory performance by the applicant of all types of study provided for in the working curriculum and evaluated for current

educational activities on average not less than 3.00. The grade obtained for the answer on the differential test and the score of the average current performance during the study of the practice are used to calculate the arithmetic mean, which is the overall grade for the practice. In the applicant's record book the teacher put the grade in the practice on the traditional and 200-point scales.

The ECTS rating scale evaluates the achievements of applicants in the practice who study in one course of one specialty, in accordance with the points obtained by them, by ranking, namely:

<b>ECTS assessment</b>	<b>Statistical indicator</b>
«A»	the best 10% of applicants
«B»	the next 25% of applicants
«C»	the next 30% of applicants
«D»	the next 25% of applicants
«E»	the last 10% of applicants

The ECTS scale establishes the applicant's belonging to the group of the best or worst among the reference group of classmates (faculty, specialty), i.e. his rating. When converting from a multi-point scale, as a rule, the limits of grades "A", "B", "C", "D", "E" do not coincide with the limits of grades "5", "4", "3" on the traditional scale. Grade "A" on the ECTS scale cannot be equal to grade "excellent", and grade "B" - grade "good" and so on.

Applicants who receive grades "Fx" and "F" ("2") are not included in the list of ranked applicants. Such applicants automatically receive a score of "E" after retake.

The grade "Fx" is given to applicants who scored the minimum number of points for the current educational activity, but who did not pass the final 30 control. Grade "F" is given to applicants who have attended all classes in the practice, but did not score an average score (3.00) for current academic activities and are not admitted to the final control.

Criteria for assessing the current performance of applicants is reflected in the work program in the practices, indicating a clear structure of applicant receipt in the assessment class.

**Independent study of applicants.**

Independent study of applicants, which is provided by the topic of the lesson along with classroom work, is assessed during the current control of the topic in the corresponding lesson. The assimilation of topics that are taken out only for independent work is checked at the last lesson.

***Independent study of applicants:***

1. Preparation for practical training.
- 2 Mastering the practical skills given in the student's practical training plan.

**COURSE POLICY**

***Policy regarding deadlines and retakes:*** tasks are completed on time, prepare daily. For late completion of the task, the applicant receives an unsatisfactory grade. The retake of the lesson is carried out according to the work schedule

***Academic Virtue Policy:***

- The applicant must independently complete homework, tasks of current and final control, tasks of Krok-2.
- Rely on sources of information when using ideas, developments of other authors

***Attendance and late arrivals policy.***

To obtain a satisfactory grade, it is compulsory to attend and work during the classroom. A applicant is allowed to be late for no more than 10 minutes.

***Mobile devices: applicants can use mobile devices in class with the teacher's permission.***

***Classroom behavior:***

While in the classroom, the following are important: respect for colleagues; tolerance towards others; sensitivity and impartiality; the ability to agree with the opinion, but respect the personality of the opponent / s (during discussions); careful argumentation of your opinion; adherence to ethics of academic relations.