

PRIVATE HIGHER EDUCATIONAL INSTITUTION
"INTERNATIONAL ACADEMY OF ECOLOGY AND MEDICINE"
Department of Surgical Diseases with the course of Obstetrics and
Gynecology and the course of Pediatrics and Children's Infectious Diseases

SYLLABUS
EDUCATIONAL DISCIPLINE

"Surgery"

LEVEL OF HIGHER EDUCATION Second (master's) level

DEGREE OF HIGHER EDUCATION Master

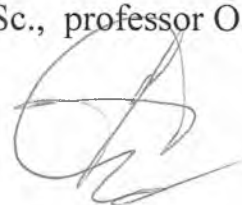
FIELD OF KNOWLEDGE 22 Healthcare

SPECIALTY 221 Dentistry

Considered and approved at the meeting of the
Department of Surgical Diseases with the course of Obstetrics and Gynecology
and the course of Pediatrics and Children's Infectious Diseases

Protocol № 1 from "01" березня 2020

Doc.Med.Sc., professor O.O. Goncharuk



Kyiv 2020

1. General information	
Subject	Surgery
Lector	Chibisov O. L.
Teacher's contact phone number	095 737-00-03
Teacher's e-mail	anutamischuk@gmail.com
Discipline format	Normative discipline.
The volume of the discipline	90 hours
Link to the distance learning site	maem.kiev.ua
Consultations	Tuesday of each week 16.00-17.30
2. Annotation to the course	
<p>The subject of study of the discipline: The subject of study of discipline is the main manifestations of surgical diseases, the principles of correct interpretation of clinical information obtained in the patient's examination, and the basic principles of treatment of patients with surgical pathology.</p>	<p>Interdisciplinary links- The discipline "Surgery" gives students of the Faculty of Dentistry in the 3rd year of study to get acquainted with the content and practical navigation skills, which allow specialists to quickly and correctly join situations in patients with acute surgical pathology and other inappropriate conditions, lose time and take priority steps that affect people's lives and / or become good underground for its successful further treatment in the hospital. Mastering the discipline is based on knowledge, the acquisition of students in the study of anatomy, biology, physiology, general surgery and other basic subjects.</p>
3. Purpose and objectives of the course	
<p>The main tasks of studying the discipline "Surgery" is mastering knowledge, skills and skills to ensure the adaptation of students to patients with surgical profile; Ability to diagnose, choose appropriate therapeutic and diagnostic manipulations, to provide urgent assistance to patients with surgical pathology.</p>	<p>The purpose of teaching the educational discipline "Surgery" is the assimilation of theoretical and practical knowledge of etiology, pathogenesis, typical clinical manifestations, methods of diagnostics, conservative and surgical treatment, rehabilitation of surgical pathology within the limits corresponding to the preparation of a dentist doctor taking into account the peculiarities of its specialty.</p>
4. Competencies and learning outcomes	
<p>As a result of studying the discipline students must</p> <p>know:</p> <ul style="list-style-type: none"> - topographic anatomy of human body areas; - Basic principles of organization of surgical assistance to the population of Ukraine; - to analyze the results of survey of dental patients with general surgical pathology; - Demonstrate the possession of the moral and deontological principles of a medical specialist and principles of professional subordination in general surgery. <p>be able to:</p>	

- to diagnose and provide medical assistance in urgent states in the clinic of surgical diseases;
- to demonstrate the possession of moral and deontological principles of medical; Specialist and principles of professional subordination in the surgical clinic
- to use the basic principles of aseptic, antiseptics, anesthesia;

In accordance with the requirements of the Standard of higher education discipline provides for students' acquisition of **competencies**:

- *mastering the basic principles of organizing surgical assistance to the population of Ukraine;*
- *to master clinical and laboratory and additional methods of diagnosis of organism surgical pathology; tactics of granting emergency surgical care; organization of conducting medical evacuation measures;*
- *carrying out the main methods of general clinical examination of the patient (survey, review, palpation, auscultation), determination of volume, additional research and analysis of these data to establish a preliminary diagnosis;*
- *performance of general medical manipulations (dressings, injections, stomach rinsing, stopping bleeding, local anesthesia, etc.);*
- *providing the necessary assistance with short-term loss of consciousness, collapse, shock, coma, allergic reactions, asphyxia, acute abdomen, injuries, bleeding, burns, frostbites;*
- *assistant in emergency operations;*
- *Maintenance of medical documentation.*

5. Organization of course training

The volume of the course

Type of lesson	<i>Total amount of hours 90</i>
Lectures	20
Practical classes	30
Independent work	40

Course signs

Semesters: the 6th	Specialty 221 "Dentistry"	Course (year of study) : the 3rd	Normative discipline

Course thematics

The program of the discipline is structured into Module 1: Forensic Medicine.

SPECIFIC GOALS:

- To analyze the stages of development of domestic forensic medicine, the contribution of individual scientists at each stage.
- To explain the principles of forensic organization in the country.
- To know the function of the structural units of the Forensic Bureau
- To analyze the legal support for medical activities.
- To interpret the legal rules regarding the appointment and conduct of forensics.
- To know the legal regulations governing the activities of healthcare professionals and legal relationships in the healthcare sector and be able to analyze them.
- To know the causes of adverse effects in medical practice, medical errors, accidents.
- To be able to characterize and evaluate the offenses of healthcare professionals.
- To be able to state the fact of biological death.
- To conduct a forensic dissection of the corpse, to formulate the cause of non-violent death and to issue a "Medical Certificate of Death".
- To know the peculiarities of forensic examination of a corpse of a newborn and a dying person.
- Review the corpse at the scene of the event, find, describe and remove material evidence of biological origin.

- To be able to describe the material evidence of biological origin, especially the traces of blood at the scene.
- To know the rules for removing material evidence of biological origin from their location.
- To formulate issues that can be resolved during forensic examination of physical evidence of biological origin.
- To be able to carry out a personal injury examination.
- To be able to describe injuries.
- To determine the severity of personal injury, the percentage of loss of overall performance.
- To know the specifics of forensic examination regarding disputable sexual acts and sexual offenses.
- To be able to determine the type of personal injury.
- To be able to describe bodily injuries resulting from mechanical factors.
- To be able to identify the cause of a violent death and write a 'Medical Certificate of Death'
- To formulate issues that can be resolved during forensic examination of a corpse in cases of death from blunt objects.
- To be able to diagnose and evaluate the damage inherent in different types of transport injuries.
- To formulate section diagnosis in cases of transport injury.
- To draw and justify conclusions in typical cases of car, rail and motorcycle injuries.
- To formulate issues that can be resolved during forensic examination of the corpse in cases of death from sharp objects.
- To describe fire damage to clothing, skin, bones and internal organs.
- To diagnose gunshot distance and wound canal direction.

6. Course evaluation system

General course evaluation system

Current control is performed based on the control of theoretical knowledge, skills and abilities in practical classes. Independent study students are assessed in practical classes, and is an integral part of the final grade of the student. Current control is performed during the training sessions and aims at checking the assimilation of students learning the material. Forms of current control are:

- a) test tasks with a choice of one correct answer, with the definition of the correct sequence of actions, with determination of the conformity, defining the specific portion of the photo or diagram ("detection");
 - b) individual oral questioning, interview;
 - c) the solution of typical situational tasks;
 - g) identification of pathogens and carriers of pathogens of parasitic diseases in the photographs, macro - and micropreparats;
 - d) control of practical skills;
 - e) the typical problems of genetics and medical genetics.
- Grades on the national scale ("excellent" - 5, "good" - 4, "satisfactory" - 3, "unsatisfactory" - 2), received by students, are displayed in the journals of attendance and academic group performance.

Final control

The final control is the form of a differentiated credit at the end of the 1st semester and an exam at the end of the

2nd semester upon completion of the course of medical biology.

The semester exam is a form of final control of mastering by the student of theoretical and practical material on academic discipline. The final control (exam) is carried out at the last control lesson.

Students are admitted to the FC who have attended all the classes provided by the curriculum in the discipline and while studying the module scored the number of points not less than the minimum (**72 points**). A student who, for good or bad reasons, has missed classes, is allowed to rework academic debt for a certain period of time.

Evaluation of current educational activities. During the assessment of mastering each topic for the current educational activity of the student scores are set on a 4-point (national) assessment scale. This takes into account all types of work provided by the discipline program. The student must receive a score on each topic. Scores on the traditional scale are converted into points. The final assessment of the current academic activity is the arithmetic mean (the sum of scores for each lesson is divided by the number of lessons per semester) and translated into points according to **Table 2**.

Table 2. Conversion of the average score for the current activity into a multi-point scale (for disciplines completed by diff.credit, exam)

4-point scale	120-point scale	4-point scale	120-point scale	4-point scale	120-point scale	4-point scale	120-point scale
5	120	4,45	107	3,91	94	3,37	81
4,95	119	4,41	106	3,87	93	3,33	80
4,91	118	4,37	105	3,83	92	3,29	79
4,87	117	4,33	104	3,79	91	3,25	78
4,83	116	4,29	103	3,74	90	3,2	77
4,79	115	4,25	102	3,7	89	3,16	76
4,75	114	4,2	101	3,66	88	3,12	75
4,7	113	4,16	100	3,62	87	3,08	74
4,66	112	4,12	99	3,58	86	3,04	73
4,62	111	4,08	98	3,54	85	3	72
4,58	110	4,04	97	3,49	84	<3	Not enough
4,54	109	3,99	96	3,45	83		
4,5	108	3,95	95	3,41	82		

The maximum number of points that a student can collect for current educational activity during semester in order to be admitted to the exam is 120 points.

The minimum number of points that a student can collect for current educational activity during semester in order to be admitted to the exam is 72 points.

Calculating of the number of points is based on obtained marks of student according to traditional scale while learning subject during the semester, by calculating the arithmetic mean (AM) that is rounded to

two signs after comma.
Evaluation of independent work of students.
 Independent work of students, which is provided by the topic of the lesson together with the classroom work, is evaluated during the current control of the topic in the relevant lesson. Assimilation of topics that are submitted only for independent work is checked during the final module control.

Evaluation of final control.

The maximum number of points that a student can score during the exam is **80 points**.

The final control is considered credited if the student scored at least 60% of the maximum amount of points (for a 200-point scale - at least **50 points**).

Determining the number of points that a student scored in the discipline: the number of points that a student scored in the discipline is defined as the sum of points for the current academic activity (Table1) and for the final control (diff.credit, exam) (Table 3).

Table 3. Scale of assessment of differentiated (exam) credit:

Traditional scale	Points
«5»	70-80
«4»	60-69
«3»	50-59

Requirements for written work

The final written work is performed in the form of a test.

Practical classes

Classroom work

The 3rd course. The Vth semester

MODULE 1. FORENSIC MEDICINE

Topics 1-6:

Classroom work - score from 2 to 5 for each topic.

Topic 7: Diff.credit (Semester control): practical training, theoretical training.

Final module control is evaluated from 50 to 80 points and consists of:

3 theoretical questions and 1 situational task.

**THE CRITERIA FOR EVALUATION
 PRACTICAL SKILLS AND THEORETICAL QUESTIONS**

Number of Situational task	«5»	«4»	«3»	The answer a card to the practical skills	For each answer to the practical skill student receives from 10 to 16 points: «5» - 16 points; «4» - 13 points; «3» - 10 points.
1	16	13	10		
Number of Theoretical question	«5»	«4»	«3»	Oral answer the card on theoretical questions	For each answer to the practical skill student receives from 10 to 16 points: «5» - 16 points; «4» - 13 points; «3» - 10 points.
1	16	13	10		
2	16	13	10		
3	16	13	10		
The sum of points	80	65	50		

Students who have completed all types of work provided by the curriculum and scored the number of points for the current success not less than the minimum (72) are admitted to the exam. The total grade for the module and the discipline consists of a total grade for the activities in the current classes and the final control of student knowledge. Current activity is estimated from 72 to 120 points. Thus, the minimum number of points per module should be: $72 + 50 = 122$ points. Maximum number: $120 + 80 = 200$ points.

Rating scale:

National scale	Points scale
«5»	70-80
«4»	60-69
«3»	50-59

Circumstance of admission to the final control

1. Semester control at the end of the 1st semester is provided in the form of a differential credit. (Table 2) Provides a final score on a 120-point scale as the sum of scores for the current control of knowledge (oral examination, written survey, tests, verification of identification of micropreparations, abstracts), the results of 2 content modules.
 2. Students are allowed to take the differentiated credit, exam only if there is no debt for the implementation of the curriculum.

7. Course policy

The organization of the educational process is carried out with the use of the European Credit Transfer System (ECTS) to assess student performance. The points gained in the current survey, independent work and points of the final control are credited. This must take into account the student's presence in class and his activity during practical work. Inadmissible: absences and late classes; use of a mobile phone, tablet or other mobile devices during the lesson (except for the cases provided by the curriculum and methodical recommendations of the teacher); copying and plagiarism; untimely performance of the task, the presence of unsatisfactory grades for 50% or more of the submitted theoretical and practical material.

8. RECOMMENDED LITERATURE

Basic:

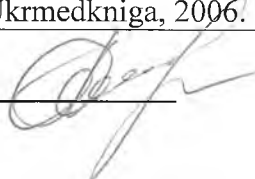
1. General surgery: Tutorial / [VP Andyushchenko, V.V. Vashchuk, I.D. Gerich et al.]; ed. SD Chemistry, M.D. Gel. - Kiev: "Medicine", 2018. - 608 p.
2. Emergency Medical Aid: Tutorial / [M. I. Swede, A. A. Gudim, C. M. Herjak et al.]; ed. M.I. Sheda. - Ternopil: TDMU, 2015. - 420 p.
3. First Dolocar Assistance: Tutorial / Ed. VP Andryushchenko. Yu.F. Ave, D.V. Andryushchenko - Lviv: LNMU 2011. - 351 p.
4. Clinical surgery / Ed. L. Ya. Kovalchuk, V. F. Saenko, G.V. Bookov - Ternopil: Ukrmedknig, 2000. - 536 p.
5. Clinical surgery / Ed. L. Ya. Kovalchuk, V. F. Saenko, G.V. Bookov

Additional:

1. Donald C. Correll, MD Facep. Hypotermia practice Guid // The physician assistant practice Guide. For Emergency Departments urgent care centers, and family practices. A cuta care Horizons. Jackson, TN.2012.
2. Marx, John, Ron Walls, and Robert Hockberger. Rosen's emergency medicine-concepts and clinical practice. Elsevier Health Sciences, 2013.
3. Skone, Richard, et al., eds. Managing the Critically 111 Child: A Guide for Anaesthetists and Emergency Physicians. Cambridge University Press, 2013.

- Ternopil: Ukrmedknig, 2000. - 504 p.
6. Surgical diseases: to go. for the studio.
the highest. honey. Teach. Locks. /
P.Ya.chumak, A.Ya. Kuznetsov, M.O.
Rudiy, O.P. Kovalev. -T.: TDMU:
Ukrmedkniga, 2006. -487 p.

Lector

A handwritten signature in black ink, appearing to be 'D. P. Rudiy', written over a horizontal line.