



Syllabus of the elective course "Endoscopic technologies in obstetrics and gynecology"

1. General information	
Name of the faculty	Medical Faculty №1, №2
Educational program (branch, specialty, level of higher education, form of education)	22 Health care, 222 Medicine, second (master's) Level of higher education, full-time
Academic year	2022-2023
Name of the discipline, code (<i>e-mail address on the website of Danylo Halatsky LNMU</i>)	Endoscopic technologies in obstetrics and gynecology WB 2.42. new.meduniv.lviv.ua / kafedry / kafedraakusherstva-i-ginekologiyi /
Department (<i>name, address, phone, e-mail</i>)	Department of Obstetrics and Gynecology 79008 Lviv, Rapoport Street, 8 E-mail: Kaf_obstetrics@meduniv.lviv.ua
Head of the department (<i>contact e-mail</i>)	Professor, Corresponding Member of the National Academy of Medical Sciences of Ukraine Markin L.B. Kaf_obstetrics@meduniv.lviv.ua
Year of study (<i>year in which the study of the discipline</i>)	5
Semester (<i>semester in which the study of the discipline is implemented</i>)	IX, X
Type of discipline / module (<i>compulsory / optional</i>)	Selective
Teachers (<i>names, surnames, scientific degrees and titles of teachers who teach the discipline, contact e-mail</i>)	Associate Professor Yashchenko L.M., Isaeva K.Y. Rachkevych O.S., Segedy L.I.
Erasmus yes / no (<i>availability of the discipline for students within the Erasmus + program</i>)	-
Person responsible for the syllabus (<i>person to be commented on the syllabus, contact e-mail</i>)	Yashchenko L.M.
Number of ECTS credits	1
Number of hours (<i>lectures / practical classes / independent work of students</i>)	60 (practical classes - 26, independent work of students - 34)
Language of instruction	Ukrainian, English
Address,	KNP "Maternity Clinical House

telephone and rules of operation of the clinical base, office...
(if necessary)

№1 m. Lviv ", Mechnikova st. , 8
(round the clock); tel. + 380 (32) 75- 93
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2. Short annotation to the course

The subject of study of the elective course
"Endoscopic technologies in obstetrics and gynecology" for higher medical educational institutions of
Ukraine

III-IV levels of accreditation in the
specialties 22 "Health Care", specialties
" Medicine" 222 is the acquisition of knowledge and skills
to solve professional problems and provide emergency care in extreme
conditions in obstetrics and gynecology. The current state of the demographic
situation in Ukraine requires a modern doctor to study endoscopies in obstetrics and gynecology,
in order to preserve women's reproductive health and successful family planning .

3. The purpose and objectives of the course

Integral: Ability to solve complex
problems, including research and innovation in
medicine, the ability to continue learning with a
high degree of autonomy

- general:

- 1 Ability to abstract thinking, analysis and
synthesis
- 2 Ability to learn and master modern
knowledge.
- 3 Ability to apply knowledge in practical
situations.
- 4 Knowledge and understanding of the subject
area and understanding of professional activity.
- 5 Ability to adapt and act in a new situation.
- 6 Ability to make informed decisions.
- 7 Ability to work in a team.
- 8 Ability to interpersonal interaction.
- 9 Ability to communicate in a foreign
language.
- 10 Ability to use information and
communication technologies.
- 11 Ability to search, process and analyze
information from various sources.
- 12 Definiteness and perseverance in terms of
tasks and responsibilities.
- 13 Awareness of equal opportunities and
gender issues.
- 14 The ability to exercise own rights and
responsibilities as a member of society, to
realize the values of civil (free democratic)
society and the need for its sustainable
development, the rule of law, human rights and
freedoms and the citizen of Ukraine.
- 15 Ability to preserve and increase moral,

cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, techniques and technologies. active recreation and leading a healthy lifestyle.

- special (professional, subject):

- 1 Ability to collect medical information about the patient and analyze clinical data.
- 2 Ability to determine the required list of laboratory and instrumental studies and evaluate their results.
- 3 Ability to establish a preliminary and clinical diagnosis of the disease.
- 4 Ability to determine the required mode of work and rest in the treatment of diseases.
- 5 Ability to determine the nature of nutrition in the treatment and prevention of diseases
- 6 Ability to determine the principles and nature of treatment and prevention of diseases.
- 7 Ability to diagnose emergencies.
- 8 Ability to determine the tactics of emergency medical care.
- 9 Ability to carry out medical and evacuation measures.
- 10 Ability to perform medical manipulations.
- 11 Ability to solve medical problems in new or unfamiliar environments with incomplete or limited information, taking into account aspects of social and ethical responsibility.
- 12 Ability to determine the tactics of physiological pregnancy, physiological childbirth and the postpartum period. Family planning and contraceptive counseling skills.
- 13 Ability to carry out sanitary and hygienic and preventive measures.
- 14 Ability to conduct a performance examination.
- 15 Ability to keep medical records, including electronic forms.
- 16 Ability to assess the impact of the environment, socio-economic and biological determinants on the health of the individual, family, population.
- 17 Ability to analyze the activities of a doctor, department, health care facility, ensure the quality of medical care and improve the efficiency of medical resources.
- 18 Ability to analyze the activities of a doctor, department, health care facility, ensure the

quality of medical care and improve the efficiency of medical resources.

19 Ability to analyze the activities of a doctor, department, health care facility, ensure the quality of medical care and improve the efficiency of medical resources.

20 Adherence to ethical principles when working with patients, laboratory animals.

21 Adherence to professional and academic integrity, be responsible for the accuracy of scientific results.

Expected learning out comes:

1. Demonstrate the continuous development of one's own intellectual, professional and cultural level of self-realization as a future doctor.
2. The student must assess clinical manifestations, know modern methods of laboratory and endoscopic
3. Diagnostics of emergencies in obstetrics and gynecology and to appoint reasonable treatment of the second conditions (ectopic pregnancy, ovarian apoplexy and others).
4. The student must explain the pathogenesis of abnormal bleeding, justify the results
5. Modern endoscopic methods of diagnosis and dynamic monitoring of patients, treatment of
6. The second conditions (ectopic pregnancy, ovarian apoplexy and others).
7. Have the skills of endoscopic diagnosis, differential diagnosis and treatment of nonspecific inflammatory diseases of the external and internal genital organs and sexually transmitted diseases based on current data.
8. Able to classify septic conditions in obstetrics and gynecology, to substantiate the most informative endoscopic methods of diagnosis and treatment, to evaluate their results.
9. Have the skills to diagnose background and precancerous diseases, "acute abdomen", using modern endoscopic methods, prescribe and evaluate their treatment, using the latest evidence based medicine.

Course prerequisites

Elective course "Endoscopic technologies in obstetrics and gynecology" is based on the knowledge gained by students in the study of medical biology, normal and pathological anatomy of topographic anatomy, Normal and pathological physiology of the reproductive system, histology and embryology, Infectious diseases, microbiology, pharmacology, surgical diseases, hygiene, social medicine and integrates with these disciplines

5. Program learning out comes

1 Have a thorough knowledge of the structure of professional activity. Be able to carry out professional activities that require updating and integration of knowledge. Be responsible for professional development, the ability to further professional training with a high level of autonomy.

2 Understanding and knowledge of basic and

clinical biomedical sciences, at a level sufficient to solve professional problems in the field of health care.

3 Specialized conceptual knowledge, which includes scientific achievements in the field of health care and is the basis for research, critical understanding of problems in the field of medicine and related interdisciplinary problems.

4 Identify and identify the leading clinical symptoms or syndromes (according to list 1), according to standard methods, using preliminary history of the patient, examination data, knowledge about the person, his organs and systems. Establish a preliminary clinical diagnosis of the disease (according to list 2).

5 Collect complaints, anamnesis of life and disease, assess the psychomotor and physical development of the patient, the condition of organs in body systems, based on the results of laboratory and instrumental studies to assess information about the diagnosis (list 4). Taking into account the patient's age.

6 Evaluate information about the diagnosis using a standard procedure based on the results of laboratory and instrumental studies.

7 Establish a final clinical diagnosis by making an informed decision and analysis of the obtained subjective and objective data of clinical, additional examination, differential diagnosis, adhering to the relevant ethical and legal norms, under the supervision of a physician-manager in a health care facility (list 2).

8 Prescribe and analyze additional (mandatory and optional) methods of examination (laboratory, functional and/or instrumental) (according to list 4) of patients with diseases of organs and systems of the body for differential diagnosis of diseases (according to list 2). Carry out differential diagnosis of diseases. Establish a preliminary and clinical diagnosis.

9 Determine the main clinical syndrome or the severity of the victim's condition (according to list 3) by making an informed decision and assessing the person's condition under any circumstances (in a health care facility, outside it), including in conditions of emergency and hostilities, in the field, in conditions of lack of information and limited time.

10 Determine the nature and principles of treatment of patients (conservative, operative) with diseases (according to list 2), taking into

account the age of the patient, in a health care facility, outside it and at the stages of medical evacuation, including in the field, on the basis of a preliminary clinical diagnosis, adhering to the relevant ethical and legal norms, by making an informed decision on existing algorithms and standard schemes, if necessary to expand the standard scheme to be able to justify personalized recommendations under the supervision of a physician.

11 Determine the necessary mode of work, rest and nutrition on the basis of the final clinical diagnosis, adhering to the relevant ethical and legal norms, by making an informed decision according to existing algorithms and standard schemes.

12 Determine the approach, plan and tactics of physiological pregnancy, physiological childbirth and the postpartum period by making an informed decision according to existing algorithms and standard schemes.

13 Assess the general condition of the newborn child by making an informed decision according to existing algorithms and standard schemes, adhering to the relevant ethical and legal norms.14 Assess and monitor the child's development, provide recommendations for breastfeeding and nutrition depending on age, organize preventive vaccinations on the calendar.

15 Identify tactics and provide emergency medical care in emergencies (according to list 3) for a limited time in accordance with existing clinical protocols and treatment standards.

16 Organize the provision of medical care and medical and evacuation measures to the population and servicemen in emergencies and hostilities, including in the field.

17 To form rational medical routes of patients; to organize interaction with colleagues in the and other establishments, the organizations and establishments; to apply tools for the promotion of medical services on the market, based on the analysis of the needs of the population, in the conditions of functioning of the health care institution, its subdivision, in a competitive environment.

18 Perform medical manipulations (according to list 5) in a medical institution, at home or at work on the basis of a previous clinical diagnosis and / or indicators of the patient's condition by making an informed decision,

adhering to the relevant ethical and legal norms.

19 Determine the state of functioning and limitations of a person's life and duration of incapacity for work with the relevant documents, in a health care facility on the basis of data on the disease and its course, features of professional activity, etc. Maintain medical records of the patient and the population on the basis of regulations.

20 Analyze the epidemiological situation and carry out measures of mass and individual, general and local prevention of infectious diseases.

21 Search for the necessary information in the professional literature and databases of other sources, analyze, evaluate and apply this information.

22 Apply modern digital technologies, specialized software, statistical methods of data analysis to solve complex health problems.

23 Assess the impact of the environment on human health to assess the incidence of the population.

24 Organize the necessary level of individual safety (own and those cared for) in case of typical dangerous situations in the individual field of activity.

25 Clearly and unambiguously communicate their knowledge, conclusions and arguments on health issues and related issues to professionals and non-specialists.

26 Communicate fluently in the state and English languages, both orally and in writing, to discuss professional activities, research and projects.

27 Plan, organize and conduct activities for the specific prevention of infectious diseases, including in accordance with the National Calendar of preventive vaccinations, both mandatory and recommended. Manage vaccine residues, organize additional vaccination campaigns, including immunoprophylaxis measures.

List of learning outcomes		
Learning outcome code	The content of the learning outcome	Reference to the comp

		ency matrixcode
<i>The code is created when filling in the syllabus (category: Zn-knowledge, Um-ability, K-competence, AB - autonomy and responsibility)</i>	<i>Learning outcomes determine that the student must know, understand and be able to perform, after completing the discipline. Learning outcomes follow from these learning goals. To enroll in the discipline, it is necessary to confirm the achievement of each learning outcome.</i>	Symbol of the Program Learning Outcome Code in the Higher Education Standard
<i>Zn -1</i>	Have knowledge of preoperative preparation and management of patients in the postoperative period after laparoscopic surgery.	<i>PR-1</i>
<i>UM-1</i>	Be able to prepare the patient for laparoscopic surgery (planned)	<i>PR-1</i>
<i>K-1</i>	Ability to establish contact with the patient in preparation for surgery	<i>PR-1</i>
<i>Mind-2</i>	Be able to diagnose tubal-peritoneal infertility, to make a differential diagnosis.	<i>PR-2</i>
<i>K-2</i>	Effectively form a communication strategy when communicating with the patient, to enter information about a woman's health	<i>PR-2</i>
<i>AB -2</i>	Be responsible for the quality collection of information received and timely assessment of the woman's condition	<i>PR-2</i>
<i>ZN-3</i>	Know the causes of cystic formations in pregnant women, methods of treatment	<i>PR-3</i>
<i>Mind-3</i>	Be able to diagnose cystic formations in pregnant women	<i>PR-3</i>
<i>K-3</i>	To determine the basic principles of laparoscopic treatment of patients according to the diagnosis	<i>PR-3</i>
<i>AB-3</i>	To be personally responsible for correctness of performance of stages of inspection, carrying out differential diagnosis at women with cystic educations	<i>PR-3</i>
<i>ZN-4</i>	Know the complications in gynecology and laparoscopy : intra- and postoperative	<i>PR-4</i>
<i>Mind-4</i>	Be able to determine the severity of complications and recognize the clinical manifestations.	<i>PR-4</i>
<i>K-4</i>	Ability to abstract thinking and analysis	<i>PR-4</i>
<i>AB-4</i>	Be responsible for the timely diagnosis of complications, first aid, their treatment	<i>PR-4</i>
<i>ZN-5</i>	Know about the safety of laparoscopic surgery	<i>PR-5</i>
<i>Mind-5</i>	Be able to assess the risks of laparoscopic surgery	<i>PR-5</i>

K-5	Ability to act on the basis of ethical considerations, to work in a team with colleagues and patients	PR-5
AB-5	Take personal responsibility for the correct and time	PR-5

	ly appointment of laparoscopic treatment			
6. Format and scope of the course				
Course format (specify full-time or part-time)	Eye			
Kind of occupations	Number of hours	Number of groups		
lectures	-			
practical	26			
seminars				
independent	34			
7. Topics and content of the course				
Code type to borrow	Topic	Content of training	Learning outcome code	Teacher
P-1 (practical lesson 1)	History of laparoscopy. Fundamental principles of laparoscopic intervention, tools.	1. Checking the assimilation of material (tests). 2. Solving situational problems. 3. Development of practical skills in conditions that are close to real. 4. Clarification of problems at issues summarizing the lesson	ZN-1 U-1 K-1 AB-1	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedy L.I.
P-2	Laparoscopic anatomy of the small pelvis. Diagnostic laparoscopy.	1. Checking the assimilation of material (tests). 2. Solving situational problems. 3. Development of practical skills in conditions that are close to real.	ZN-2 U-2 K-2 AB-2	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedy L.I.

		<p>osetoreal.</p> <p>4. Clarification of problemat icissues summarizing the lesson</p>		
P-3	Preoperative preparation and managemement of patients in the postoper ative period.Laparoscopy technique,complications and methods of ther elimination.	<p>1.Checking the assimilation of material (tests).</p> <p>2.Solving situational problems.</p> <p>3.Development of practicals killsinconditionsthatarecl osetoreal.</p> <p>4. Clarification of problemat icissues summarizing the lesson</p>	<p>ZN-3</p> <p>U-3</p> <p>K-3</p> <p>AB-3</p>	<p>Yashchenko L.M.</p> <p>Isaeva K.Y.</p> <p>Rachkevych O.S.</p> <p>Segedyi L.I.</p>

P-4	Laparoscopy in the case of ectopic pregnancy.	<p>1.Checking the assimilation of material (tests).</p> <p>2.Solving situational problems.</p> <p>3.Development of practicals killsinconditionsthatarecl osetoreal.</p> <p>4. Clarification of problemat icissues summarizing the lesson</p>	<p>ZN-4</p> <p>U-4</p> <p>K-4</p> <p>AB-4</p>	<p>Yashchenko L.M.</p> <p>Isaeva K.Y.</p> <p>Rachkevych O.S.</p> <p>Segedyi L.I.</p>
P-5	Laparoscopy on the uterine appendages.Tre- atment of cysts.Laparoscopic sterilization.	<p>1.Checking the assimilation of material (tests).</p> <p>2.Solving situational problems.</p> <p>3.Development of practicals killsinconditionsthatarecl osetoreal.</p> <p>4. Clarification of problemat icissues summarizing the lesson</p>	<p>ZN-5</p> <p>U-5</p> <p>K-5</p> <p>AB-5</p>	<p>Yashchenko L.M.</p> <p>Isaeva K.Y.</p> <p>Rachkevych O.S.</p> <p>Segedyi L.I.</p>

P-6	Laparoscopy myomectomy, hysterectomy.	<ol style="list-style-type: none"> 1. Checking the assimilation of material (tests). 2. Solving situational problems. 3. Development of practicals kills in conditions that are real. 4. Clarification of problematics issues summarizing the lesson 	ZN-5,1,4, K-1,3 M-5	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I.
P-7	The role of laparoscopy in treatment of infertility and endometriosis.	<ol style="list-style-type: none"> 1. Checking the assimilation of material (tests). 2. Solving situational problems. 3. Development of practicals kills in conditions that are real. 4. Clarification of problematics issues summarizing the lesson 	UM-1 Zn-4, 5, K-4, M-2	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I.
P-8	Technical aspects of hysteroscopy.	<ol style="list-style-type: none"> 1. Checking the assimilation of material (tests). 2. Solving situational problems. 3. Development of practicals kills in conditions that are real. 4. Clarification of problematics issues summarizing the lesson 	K-4, M-4, Zn-4, AB-3	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I.
P-9	Office hysteroscopy.	<ol style="list-style-type: none"> 1. Checking the assimilation of material (tests). 2. Solving situational problems. 3. Development of practicals kills in conditions that are real. 4. Clarification of problematics issues 	K-4, M-4, Zn-4, AB-3	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I.

		summarizing the lesson		
P-10	Hysteroresectoscopy.	1.Checking the assimilation of material (tests). 2.Solving situational problems. 3.Development of practicals killsinconditionsthatarecl osetoreal. 4. Clarification of problemat icissues summarizing the lesson	K-4,M-4,Zn-4,AB-3	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I.
P-11	Endoscopy in diagnostics and chronic pelvic pain syndrome.	1.Checking the assimilation of material (tests). 2.Solving situational problems. 3.Development of practicals killsinconditionsthatarecl osetoreal. 4. Clarification of problemat icissues summarizing the lesson	Zn-1,5 U-1,K-1,2 3,4,AB-5	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I.
P-12	Endoscopic intervention during pregnancy.	1.Checking the assimilation of material (tests). 2.Solving situational problems. 3.Development of practicals killsinconditionsthatarecl osetoreal. 4. Clarification of problemat icissues summarizing the lesson	Zn-1,5 U-1,K-1,2 3,4,AB-5	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I.
P-13	Colposcopy ,this role in the pathology of cervix.	1.Checking the assimilation of material (tests). 2.Solving situational problems. 3.Development of practical skills in conditions that are closetoreal.	K-4,M-4,Zn-4,AB-3	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I.

		4. Clarification of problematic issues summarizing the lesson		
SIW-1 (independent work of students)	History of laparoscopy. Fundamental principles of laparoscopic intervention, tools.	Preparation for practical classes and study of topics considered only in terms of independent student work, search and study of additional literature, creation of algorithms, structural and logical schemes, writing essays, annotations, reports for reports on duty in the clinic outside of practical classes, outside study time.	ZN-1 U-1 K-1 AB-1	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I
SIW-2	Laparoscopic anatomy of the small pelvis. Diagnostic laparoscopy.	Preparation for practical classes and study of topics considered only in terms of independent student work, search and study of additional literature, creation of algorithms, structural and logical schemes, writing essays, annotations, reports for reports on duty in the clinic outside of practical classes, outside study time.	ZN-2 U-2 K-2 AB-2	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I

SIW-3	Preoperative preparation and management of patients in the postoperative period. Laparoscopy technique, complications and methods of their elimination.	Preparation for practical classes and study of topics considered only in terms of independent student work, search and study of additional literature, creation of algorithms, structural and logical schemes, writing essays, annotations, reports for reports on duty in the clinic outside of practical classes, outside study time.	ZN-3 U-3 K-3 AB-3	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I
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		calclasses, outside study time.		
SIW-4	Laparoscopy in the case of ectopic pregnancy.	Preparation for practical classes and study of topics considered only in terms of independent student work, search and study of additional literature, creation of algorithms, structural and logical schemes, writing essays, annotations, reports for reports on duty in the clinic outside of practical classes, outside study time.	ZN-4 U-4 K-4 AB-4	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I
SIW-5	Laparoscopy on the uterine appendages. Treatment of cysts. Laparoscopic sterilization.	Preparation for practical classes and study of topics considered only in terms of independent student work, search and study of additional literature, creation of algorithms, structural and logical schemes, writing essays, annotations, reports for reports on duty in the clinic outside of practical classes, outside study time.	ZN-5 U-5 K-5 AB-5	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I
SIW-6	Laparoscopic myomectomy, hysterectomy.	Preparation for practical classes and study of topics considered only in terms of independent student work, search and study of additional literature, creation of algorithms, structural and logical schemes, writing essays, annotations, reports for reports on duty in the clinic outside of practical	ZN-5,1,4, K-1,3 M-5	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I

		calclasses, outside study time.		
SIW-7	The role of laparoscopy in treatment of infertility and endometriosis.	Preparation for practical classes and study of topics considered only in terms of independent student work, search and study of additional literature, creation of algorithms, structural and logical schemes, writing essays, annotations, reports for reports on duty in the clinic outside of practical classes, outside study time.	UM-1 Zn-4, 5,K- 4,M-2	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I
SIW-8	Technical aspects of hysteroscopy.	Preparation for practical classes and study of topics considered only in terms of independent student work, search and study of additional literature, creation of algorithms, structural and logical schemes, writing essays, annotations, reports for reports on duty in the clinic outside of practical classes, outside study time.	K-4,M- 4,Zn- 4,AB -3	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I
SIW-9	Office hysteroscopy.	Preparation for practical classes and study of topics considered only in terms of independent student work, search and study of additional literature, creation of algorithms, structural and logical schemes, writing essays, annotations, reports for reports on duty in the clinic outside of practical	K-4,M- 4,Zn- 4,AB -3	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I

		calclasses, outside study time.		
SIW-10	Hysteroresectoscopy.	Preparation for practical classes and study of topics considered only in terms of independent student work, search and study of additional literature, creation of algorithms, structural and logical schemes, writing essays, annotations, reports for reports on duty in the clinic outside of practical classes, outside study time.	K-4,M-4,Zn-4,AB-3	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I
SIW-11	Endoscopy in diagnostics and chronic pelvic pain syndrome.	Preparation for practical classes and study of topics considered only in terms of independent student work, search and study of additional literature, creation of algorithms, structural and logical schemes, writing essays, annotations, reports for reports on duty in the clinic outside of practical classes, outside study time.	Zn-1,5 U-1,K-1,2 3,4,AB-5	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I
SIW-12	Endoscopic intervention during pregnancy.	Preparation for practical classes and study of topics considered only in terms of independent student work, search and study of additional literature, creation of algorithms, structural and logical schemes, writing essays, annotations, reports for reports on duty in the clinic outside of practical	Zn-1,5 U-1,K-1,2 3,4,AB-5	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I

		calclasses, outside study time.		
SIW-13	Colposcopy ,this role in the pathology of cervix.	Preparation for practical classes and study of topics considered only in terms of independent student work, search and study of additional literature, creation of algorithms, structural and logical schemes, writing essays, annotations, reports for reports on duty in the clinic outside of practical classes, outside study time.	K-4,M-4,Zn-4,AB-3	Yashchenko L.M. Isaeva K.Y. Rachkevych O.S. Segedyi L.I

Final control

Type of final control	Methods of final control	Enrollment criteria
Test	All topics submitted for current control must be included.	<i>The maximum number of points is 200 The minimum number of points is 122</i>

	Grades are converted into points on a multi-point (200 point) scale in accordance with the revision "Criteria and rules and procedures for evaluating the results of student learning activities"	
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Verification of learning outcomes

Current control

Current control is carried out at each practical lesson in accordance with the specific objectives of each topic. When evaluating students' learning activities, it is necessary to give preference to standardized methods of control: testing, structured written work, structured according to the procedure of control of practical skills in conditions close to real ones. When mastering each topic for the current educational activities of the student, grades are set on a 4-point traditional scale. When mastering the topic according to the traditional system, points are assigned according to the traditional system: 5 points, 4 points, 3 points, 2 points. Forms of assessment of current educational activities are standardized and include control of theoretical and practical training. During the assessment of mastering each topic for the current educational activity of the student, grades are given on a 4-point (national). This takes into account all types of work provided for in the discipline program. The student must receive a grade from each topic for further conversion of grades into points on a multi-point (200-point) scale. Independent 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 controlled during the final control.

Learning outcome code	Code type to borrow	Method of	Enrollment criteria
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		verify in learning outcomes	
ZN-1 - ZN-5 Um-1 - UM-5 K-1 - K-5 AB-1 -AB-5	P-1 - P-13 SIW-1,SIW-13	Oral and written questioning, solving test tasks (to control the initial and final level of knowledge), solving typical situational problems, under the control of the teacher to train in relevant practical skills and professional skills.	-5 "excellent" - the student has perfectly mastered the theoretical material of the topic of the lesson, independently performed one or another practical skill, thinks logically, uses the acquired knowledge in the analysis of the clinical situation; -4 "good" - the student has mastered the theoretical material, independently performed a particular practical skill, thinks logically, uses the acquired knowledge in the analysis of the clinical situation; -3 "satisfactory" student mainly has theoretical material, but does not answer convincingly, confuses concepts, additional questions cause uncertainty, makes gross mistakes in performing practical skills; -2 "unsatisfactory" - the student does not have the theoretical material on the topic, does not know the definitions, no thinking, practical skills.

The calculation of the number of points is based on the grades obtained by the student on a 4-point (national) scale during the study of the discipline, by calculating the arithmetic mean (CA), rounded to two decimal places. The resulting value is converted into points on a multi-point scale as follows: $CA \times 120$

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9. Course policy

Elective course "Endoscopic technologies in obstetrics and gynecology" is based on the principles of science, self-development, humanism, continuity, personal and collective responsibility, collegiality and publicity of discussion of issues within its competence.

Academic integrity of students in studying the course is ensured by: independent performance of current control tasks, Independent work without the use of external sources of information, except for those recommended for use, in particular during the evaluation of learning outcomes; personal presence at

all practical classes, except in cases caused by good reasons.
Academic integrity is ensured to pedagogical staff by providing quality educational services with the use of innovative approaches in the field of education in practical professional activities; independence of professional activity from political parties, public, Religious organizations; raising the professional level through self-development and self-improvement, passing course training; compliance with the rules of internal regulations, labor discipline, corporate ethics; objective and impartial evaluation of students' learning outcomes; exercising control over the observance of academic integrity by students, informing students about typical violations of academic integrity and types of liability for its violations.

10. Literature

Basic

1. Atlas of operative gynecology . Clifford R. Willis - Moscow, Medical Literature , 2007. - 532 p.
2. Obstetrics : textbook in English (edit by IB Ventskivska) .- K .: Medicine , 2008.-334 p.
3. Gynecology : textbook in English (edit by IB Ventskivska) .- K .: Medicine , 2010.- 160 p.
4. Pragmatic obstetrics and gynecology; Markin L.B. Zimenkovsky A.B. Shatylovykh K.L. LNMU named after Danylo Halytsky, 2021; 236p.

Optional

1. Berek and Novak's Gynecology 15th Edition . Lippincott Williams and Wilkins , 2012, 1560 pp 2
2. DC Dutta's Textbook of Obstetrics . Hiralal Konar 708pp 2017 3 2014, 686 pp 4
3. DC Dutta's Textbook of Gynecology : Including Contraception Hiralal Konar
4. F. Gary Cunningham , Kenneth J. Leveno , Steven L. Bloom , Catherine Y. Spong , Jodi S. Dashe , Barbara L. Hoffman , Brian M. Casey . Williams Obstetrics , 25th Edition . 2017
5. Essential Antenatal , Perinatal and Postpartum Care . WHO EURO, Copenhagen , 2003
6. Pregnancy , Childbirth , Postpartum and Newborn Care : A guide for essential practice . WHO, Geneva , 2006

Compiled syllabus

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