

**Odessa National Medical University**  
**Department of Obstetrics and Gynecology**

**SYLLABUS**  
**Endoscopy in gynecology**  
**(Elective discipline)**

Teacher(s)	Hladchuk Ihor Zinoviovich, Marychereda Valeriya Hennadiyevna, Nosenko Olena Mykolayivna Rozhkovska Natalya Mykolayivna,
Profile of teachers	<a href="https://onmedu.edu.ua/kafedra/kafedra-akusherstva-ta-ginekologii-1/">https://onmedu.edu.ua/kafedra/kafedra-akusherstva-ta-ginekologii-1/</a>
Contact phone numbers	Gladchuk Ihor Zinoviiovych +380676547000 Marichereda Valeriya Hennadiyivna +380667944242 Nosenko Olena Mykolaivna +0506383828 Rozhkovska Natalya Mykolaivna +380677646350
E-mail	Gladchuk Igor Zinoviiovych <a href="mailto:igor.gladchuk@gmail.com">igor.gladchuk@gmail.com</a> Marichereda Valeriya Hennadiyivna <a href="mailto:valmar@i.ua">valmar@i.ua</a> Nosenko Olena Mykolayivna <a href="mailto:nosenko.olen@gmail.com">nosenko.olen@gmail.com</a> Rozhkovska Natalya Mykolayivna <a href="mailto:nrozhkovska@ukr.net">nrozhkovska@ukr.net</a>
Department page on the ONMeDU website	<a href="https://onmedu.edu.ua/kafedra/kafedra-akusherstva-ta-ginekologii-1/">https://onmedu.edu.ua/kafedra/kafedra-akusherstva-ta-ginekologii-1/</a>
Workplace	Conference hall (Pastera Street, 9)
Consultations	Face-to-face consultations: Wednesday, Friday–14.00-16.00 Online consultations: Tuesday, Thursday - 14.00-16.00 (Microsoft Teams)

**MAIN CHARACTERISTICS OF THE EDUCATIONAL DISCIPLINE**

Scope of the academic discipline  
Number of credits/hours – **4.0/120**, of which:  
Lectures (hours) are not provided  
Practical lessons (hours) – **60**  
Independent work (hours). - **60**  
Type of control - Credit

## **COMMUNICATION**

Communication with graduate students is carried out through face-to-face meetings. In case of transition to distance learning, communication with graduate students will be carried out using e-mail and the Microsoft Teams program.

## **COURSE ABSTRACT**

Subject of discipline study

The subject of study of the educational discipline "Endoscopy in gynecology" is the physical and technical basis of video endoscopy methods in gynecology; anatomical features of the female genital organs and abdominal cavity when using video endoscopic methods; features of diagnosis, differential diagnosis and endosurgical treatment of the most relevant diseases of the female reproductive system, prevention and treatment of complications of endoscopic surgery, provision of emergency gynecological care using endoscopic methods of diagnosis and treatment to preserve the reproductive function of a woman.

Course prerequisites and post-requisites (The place of the discipline in the educational program)

The study of the educational discipline "Endoscopy in gynecology" is based on the previous (providing) discipline: "Obstetrics and gynecology".

At the same time, the study of this discipline ensures the preparation of graduate students and applicants to master the course "Emergency conditions in Obstetrics".

### **The purpose of the course**

The purpose of studying the educational discipline "Endoscopy in gynecology:" is to deepen the acquirer's theoretical knowledge and practical skills for independent medical activity to provide secondary and tertiary care in health care institutions using endoscopic methods of diagnosis and treatment of the most common diseases of the female reproductive system, emergency conditions in gynecology, solving significant problems in the field of professional activity, science and innovation, expanding and re-evaluating already existing knowledge and professional practice, using them in pedagogical work.

### **Course tasks:**

- 1) acquire theoretical knowledge and practical skills regarding the diagnosis and treatment of diseases of the female reproductive system that require surgical endoscopic treatment,
- 2) to acquire in-depth theoretical knowledge and practical skills in related specialties, in particular clinical anatomy and physiology of the reproductive system, surgical, laparoscopic, hysteroscopic, colposcopic anatomy;
- 3) to develop professional skills in teaching the discipline "Endoscopy in gynecology",
- 4) to acquire skills in the use of modern information technologies when teaching the topic "Endoscopy in gynecology",
- 5) master the methods of scientific analysis of research results from the standpoint of evidence-based medicine.

### **Expected results**

According to the results of studying the discipline, postgraduate students should know:

- 1) the foundations of legislation on health care and the main directive documents that determine the activities of health care bodies and institutions, the organization of planned and emergency assistance to the country's population;
- 2) indications and contraindications for planned and urgent hysteroscopy and laparoscopy, surgical techniques for benign and malignant diseases of the female genital organs,
- 3) methods of colposcopy, basics of colposcopic diagnosis of diseases of the cervix, vagina and vulva,
- 4) modern approaches and methods of conducting interdisciplinary scientific research,
- 5) the theory of the cognitive process and the technology of the pedagogical process;
- 6) modern achievements in the field of scientific research,
- 7) methodology of scientific research and presentation of its results from the standpoint of evidence-based medicine.
- 8) writing technology and standards of design of scientific works for national and international scientific publications;
- 9) scientometric databases and platforms (for example, Scopus, Web of Science, PubMed, etc.).

be able:

- 1) Carry out continuous professional development as an obstetrician-gynecologist,
- 2) Carry out critical analysis and interpretation of clinical, endoscopic, laboratory, instrumental, biochemical, morphological research data;
- 3) Carry out diagnostics, differential diagnostics and provide emergency care for gynecological diseases from the standpoint of evidence-based medicine,

- 4) Analyze medical information in modern directories, scientific and professional periodicals;
- 5) Obtain and systematize new scientific facts that expand the scope of knowledge in the researched problem,
- 6) To have a culture of speech, methods of argumentation;
- 7) Present and discuss the results of your work in Ukrainian and a foreign language (English) orally and in writing.

## **COURSE DESCRIPTION**

### Forms and methods of education

The course is taught in the form of practical classes (60 hours), as well as through the organization of independent work of postgraduate students (60 hours); total – 120 hours (4 credits).

In the process of conducting practical classes, the following teaching methods are expected to be used:

The study of the discipline is implemented on the basis of the following teaching methods: - according to the dominant means of teaching: verbal, visual;

- drawing up graphic schemes;
- solving creative tasks;
- blitz survey;
- group discussions on problem situations;
- performance of written tasks;
- individual control interview;
- role-playing (business) games;
- situational tasks ("case method");
- the "brainstorming" teaching method, which encourages the listeners to express themselves

a creative approach and find alternative methods of solving proposed tasks through free expression of thoughts, simulation training on simulators.

### Content of the academic discipline

The program of the academic discipline consists of the following topics:

**Topic 1:** Organization of obstetric and gynecological care and specialized endoscopic service in Ukraine. Indications and contraindications for endoscopic interventions in obstetrics and gynecology. Preparation of patients for endoscopic interventions and management of the postoperative period.

**Topic 2:** General principles and techniques of endosurgical interventions. Laparoscopic clinical anatomy of the pelvic organs. Laparoscopy in the diagnosis

and treatment of benign and malignant diseases of the female reproductive system.

**Topic 3:** Hysteroscopy in the diagnosis and treatment of gynecological pathology in outpatient and inpatient settings.

**Topic 4:** Colposcopy in the diagnosis of cervical pathology.

## **EVALUATION**

Current control is carried out in practical classes in accordance with formulated tasks for each topic. The educational activities of postgraduate students (seekers) are monitored in practical classes during ongoing monitoring in accordance with specific goals and during the individual work of the teacher with the student. When evaluating educational activities, preference is given to standardized methods of control: testing, discussions, role-playing games, reports, structured written works, structured according to the procedure of control of practical skills in conditions close to real ones.

When mastering each topic for the current educational activity, the postgraduate student is given grades on a 4-point traditional scale. The current academic performance is calculated as the average current score, i.e. the arithmetic average of all grades received by the postgraduate student (student) on a traditional scale, rounded to 2 (two) decimal places, for example 4.75.

### **Assessment of current discipline control:**

The meaning of the "excellent" assessment: the postgraduate student shows special creative abilities, knows how to acquire knowledge independently, finds and processes the necessary information without the help of a teacher, knows how to use the acquired knowledge and skills to solve problems, is able to produce innovative ways of solving problems, convincingly argues answers, independently reveals his own gifts and inclinations.

The meaning of the grade "good": the postgraduate student has a good command of the studied material, applies it in practice, solves exercises and problems in standard situations, independently corrects the mistakes made, the number of which is insignificant.

The value of the rating is "satisfactory": the postgraduate student is able to master a significant part of the theoretical material, but mainly in a reproductive form, demonstrates knowledge and understanding of the main provisions, can analyze the educational material with the help of the teacher, correct errors, among which there are a significant number of essential ones.

The value of the assessment is "unsatisfactory": the postgraduate student has mastered the material at the level of individual fragments, which constitute a small part of the educational material.

Only those postgraduate students who have no academic debt and have an average score for the current educational activity of at least 3.00 are admitted to the final certification.

#### *Forms and methods of final control*

The final control in the discipline "Endoscopy in gynecology" is a credit.

Scheme of accrual and distribution of points received by postgraduate students

At the end of the study of the discipline, the current success rate is calculated as the average current score, that is, the arithmetic average of all the grades received by the postgraduate student on a traditional scale, rounded to two decimal places.

A postgraduate student (seeker) is admitted to the final examination (credit) only if there is no academic debt and the average score for the current educational activity is not less than 3.00.

The grade for the discipline is the arithmetic average of two components:

- 1) average current score as the arithmetic average of all current grades;
- 2) traditional assessment for credit.

The obtained average score for the discipline is converted into a score on a 200-point scale by multiplying the arithmetic average by 40.

#### Scale for assessing the level of mastery of the discipline

Assessment on a 200-point scale	Assessment on a national scale	
185 - 200	Excellent	5
151 - 184	Good	4
120 – 150	Satisfactory	3
<120	Unsatisfactory	2

#### **Individual work**

Evaluation of individual work:

Assessment of postgraduate students' individual work, which is provided for in the topic along with classroom work, is carried out during the current control of the topic in the corresponding classroom session, as well as at the final control (hall).

The assessment of success in the discipline is a rating and is given on a 200-point scale and is defined according to the ECTS system and the traditional scale adopted in Ukraine.

#### **COURSE POLICY ("rules of the game")**

#### **Deadlines and Rescheduling Policy**

Tasks must be completed on time according to the deadline.

For untimely completion of the assignment, the postgraduate student receives an unsatisfactory grade. If the postgraduate student of higher education was absent from classes for any reason, then the practice is carried out within the deadlines set by the teacher in accordance with the "Regulations on the organization of the educational process at ONMedU" (link to the regulations on the university's website <https://onmedu.edu.ua/wp-content/uploads/2020/01/osvitnij-proces.pdf>). Reassembly is carried out in accordance with the approved schedule.

### **Academic Integrity Policy**

The policy of the educational component is based on the principles of academic integrity (link to the regulations on the university website <https://onmedu.edu.ua/wp-content/uploads/2020/07/polozhennja-pro-dobrochesnist.pdf>) and is determined by the system of requirements that the teacher presents to the applicant when studying the educational component:

independent performance of educational tasks, tasks of current and final control of learning results (for persons with special educational needs, this requirement is applied taking into account their individual needs and capabilities);

references to sources of information in case of use of ideas, developments, statements, information.

### **Attendance and Tardiness Policy**

Attendance and work in classroom classes (practical classes) is mandatory for obtaining a satisfactory grade. A postgraduate student is allowed to be late for no more than 10 minutes.

### **Mobile devices**

It is permissible to use mobile devices during the lesson with the teacher's permission.

Behavior in the audience

While in the audience, the following values should be cultivated: respect for colleagues; tolerance for others; receptivity and impartiality; argumentation of agreement or disagreement with the opinion of other participants in the discussion, as well as one's own opinion; respecting the dignity of the opponent's personality during communication; compliance with the ethics of academic relationships.

## **13. Recommended literature**

### **Main (basic):**

1. Law "On Higher Education" - <http://zakon4.rada.gov.ua/laws/show/1556-18>.

2. Order of the Ministry of Education and Science of Ukraine No. 584 of April 30, 2020 "On Amendments to the Methodological Recommendations for the Development of Higher Education Standards"
3. Standards and recommendations for quality assurance in the European Higher Education Area (ESG) - [https://ihed.org.ua/wp-content/uploads/2018/10/04\\_2016\\_ESG\\_2015.pdf](https://ihed.org.ua/wp-content/uploads/2018/10/04_2016_ESG_2015.pdf)
4. Obstetrics and gynecology (in 2 books): textbook (B.M. Ventskiivskyi, V.I. Hryshchenko, M.O. Shcherbina)// K.: Medicine, 2020.- 376 p.
5. Academic lectures on obstetrics and gynecology / Ed. Acad. Yu.G. Antipkin. - K.: KRIEYTIV MEDIA LLC, 2021. - 424 p.
6. Obstetrics and gynecology: in 4 volumes. / V.M. Zaporozhan, V.K. Chaika, L.B. Markin and others; under the editorship V.M. Confused – 2nd ed., corr. - K.: VSV "Medicine", 2017. - 1032 p.
7. Intra-abdominal bleeding in gynecology: monograph / I.Z. Gladchuk, O.Ya. Nazarenko, R.O. Tkachenko. – Odesa: Odesa Medical University, 2021. – 111 p.
8. Zaporozhan V.M., Grubnik V.V., Yu.V. Grubnik, A.V. Malinovskiy and others; Endoscopic surgery. Study guide/ edited by V.M. Zaporozhana, V.V. Hrubnika - K.: VSV "Medicine", 2019. - 592 p.
9. Zaporozhan V.M., Tarabrin O.O. Simulation medicine. Experience. Acquisition Prospects. Practical advisor. Sumy: PF Publishing House "University Book", 2018. - 240 p.
10. Magovan B.A. Clinical obstetrics and gynecology: 4th edition / B.A. Magowan, F. Owen, E. Thompson. - K.: VSV "Medicine", 2021. - 454 p.
11. Oxford Textbook of Obstetrics and Gynecology/Ed.by S. Arulkumaran, W. Ledger, L. Denny, S. Doumouchsis. - Oxford University Press, 2020 - 928 p.

**Additional:**

1. Lyhirda N.F. 2011 IFCPC colposcopic terminology. Clarification on practical use. - K.: Polygraph Plus LLC, 2018. - 62 p.
2. Comprehensive Gynecology, 8th Ed. by David M. Gershenson, Gretchen M. Lentz et al. – Elsevier, 2021.
3. Dubuisson J.B. Laparoscopic anatomy of the female genital tract: Karl Storz MediaService, 2014. -74 c.
4. Early pregnancy loss. Queensland Clinical Guidelines. MN17.29-V4-R22 May 2017. – P. 1-39
5. Williams Gynecology, 4th Edition by Barbara Hoffman, John Schorge et al&. - Mac Grow Hill Education.- 2020

**Information resources:**

[https://www.dec.gov.ua/cat\\_mtd/galuzevi-standarti-ta-klinichni-nastanovi/](https://www.dec.gov.ua/cat_mtd/galuzevi-standarti-ta-klinichni-nastanovi/)  
<http://www.drlz.com.ua/>  
<https://www.who.int/ru>  
[https://www.gfmer.ch/Guidelines/Obstetrics\\_gynecology\\_guidelinesTemplate.htm](https://www.gfmer.ch/Guidelines/Obstetrics_gynecology_guidelinesTemplate.htm)



<https://www.cochrane.org>  
<https://www.acog.org>  
<https://www.ebcog.org>  
<https://www.uptodate.com>  
<https://www.acog.org>  
<https://www.online.lexi.com>  
<https://www.ncbi.nlm.nih.com>  
<https://www.thelancet.com>  
<https://www.rcog.org.uk>  
<https://www.npwh.org>