

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

**SYLLABUS
Obstetrics and Gynecology**

Teacher(s)	Hladchuk Ihor Zinoviovich, Marychereda Valeriya Hennadiyevna, Nosenko Olena Mykolayivna Rozhkovska Natalya Mykolayivna,
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Department page on the ONMeDU website	https://onmedu.edu.ua/kafedra/kafedra-akusherstva-ta-ginekologii-1/
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 – **12.0/360**, of which:
Lectures (hours) are not provided
Practical lessons (hours) – **180**
Independent work (hours) - **180**
Type of control - Credit

COMMUNICATION

Communication with postgraduate 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 "Obstetrics and Gynecology" is the anatomical and physiological features of the female reproductive system, physiological and pathological processes related to fertility, pregnancy, childbirth, the postpartum period, prevention, diagnosis and treatment of diseases of the female reproductive system.

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

The study of the academic discipline: "Obstetrics and gynecology" is based on the study of normal, pathological and topographical anatomy, embryology and histology, clinical genetics, normal and pathological physiology, microbiology, virology and immunology, clinical pharmacology, internal medicine, surgical diseases, social medicine, economy and health care organization provides training for graduate students and applicants to master the course "Emergencies in Obstetrics" and "Endoscopy in Gynecology"

The purpose of the course

The purpose of studying obstetrics and gynecology is to deepen each acquirer of theoretical knowledge and practical skills for independent medical activity to provide secondary and tertiary care in health care institutions for diseases of the female reproductive system, as well as management of physiological and pathological pregnancy, childbirth, postpartum period, development solving significant problems in the field of professional activity, science and innovation, expansion and reassessment of already existing knowledge and professional practice.

Tasks of the discipline:

- 1) acquire theoretical knowledge and practical skills regarding the diagnosis and treatment of diseases of the female reproductive system, the management of physiological and pathological pregnancy and childbirth, the postpartum period, assessment of the condition of the fetus and newborn,
- 2) to acquire in-depth theoretical knowledge and practical skills in related specialties;
- 3) to develop professional skills in teaching the discipline "obstetrics and gynecology",
- 4) to acquire skills in using modern information technologies in teaching obstetrics and 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, graduate students should

know:

- 1) modern terminology and classifications, diagnosis, treatment and prevention of diseases of the female reproductive system, physiological and pathological conditions during pregnancy, childbirth and the postpartum period, the condition of the fetus and newborn,
- 2) the main methods of medical and surgical treatment of diseases of the female reproductive system,
- 3) modern approaches and methods of conducting interdisciplinary scientific research,
- 4) the theory of the cognitive process and the technology of the pedagogical process;
- 5) modern achievements in the field of scientific research,
- 6) methodology of scientific research and presentation of its results from the standpoint of evidence-based medicine.

Be able:

- 1) Carry out continuous professional development as an obstetrician-gynecologist,
- 2) Carry out critical analysis and interpretation of clinical, laboratory, instrumental, biochemical, morphological research data;
- 3) Timely diagnosis of emergency conditions (hemorrhagic, anaphylactic, septic shock, thromboembolism, CVD syndrome)
- 4) Carry out management of physiological pregnancy, childbirth and the postpartum period, assess the condition of the fetus and newborn,
- 5) Timely prevention, diagnosis and treatment of pregnancy complications (abortion, premature birth, premature rupture of membranes,

preeclampsia/eclampsia, obstetric bleeding, placentation abnormalities, placental dysfunction and intrauterine fetal development delay, multiple pregnancy)

6) Timely diagnosis and management of pregnancy in case of extragenital pathology in the mother (diseases of the heart, kidneys, gastrointestinal tract, liver, blood system, hypertension, diabetes, thyroid disease) taking into account modern recommendations based on the principles of evidence-based medicine,

7) Carry out diagnostics, differential diagnostics and provide emergency care for ectopic pregnancy, intra-abdominal bleeding, symptoms of "acute abdomen" in women,

8) Diagnose the causes of menstrual disorders, abnormal uterine bleeding, prescribe the necessary treatment, resolve issues of family planning and contraception,

9) Carry out diagnosis, differential diagnosis and treatment of inflammatory diseases of the female genital organs from the standpoint of evidence-based medicine,

10) To have methods of prevention, diagnosis and treatment of benign and precancerous diseases of the female reproductive system, classification and staging, principles of treatment of malignant tumors of the female reproductive system

11) Analyze medical information in modern directories, scientific and professional periodicals;

12) Receive and interpret new scientific facts that expand the scope of knowledge in the investigated problem

COURSE DESCRIPTION

Forms and methods of education

The course is taught in the form of practical classes (180 hours), as well as through the organization of individual work of postgraduate students (180 hours); a total of 360 hours (12 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: Physiological course of pregnancy, childbirth, postpartum period. Perinatal protection of the fetus.

Topic 2: Pathological course of pregnancy, childbirth and the postpartum period.

Topic 3: Pathological course of pregnancy, childbirth and the postpartum period. Perinatal pathology.

Topic 4: Gynecological pathology. Diseases of the organs of the female reproductive system. Pregnancy planning.

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 postgraduate student. When evaluating educational activities, preference is given to standardized methods of control: testing, 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 graduate student (student) on a traditional scale, rounded to 2 (two) decimal places, for example 4.75.

Evaluation of individual work:

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

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.

Forms and methods of final control

The final control in the discipline "Obstetrics and 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 graduate 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

Current control is carried out in practical classes in accordance with formulated tasks for each topic. When evaluating educational activities, preference is given to standardized control methods: oral survey, structured written works, discussions, role-playing games, reports. 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 graduate 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.

Individual work

Assessment of the independent work of postgraduate students and applicants, 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 (credit).

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.

List of 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
4. Obstetrics and gynecology (in 2 books): textbook (B.M. Ventskivskiy, V.I. Hryshchenko, M.O. Shcherbina)// K.: Medicine, 2020.- 376 p.
5. Academic lectures on obstetrics and gynecology / Ed. Acad. Yu.G. Antipkin. - K.: KRIEYTYV MEDIA LLC, 2021. - 424 p.
6. Obstetrics and gynecology: in 4 volumes. / V.M. Zaporozhian, V.K. Chaika, L.B. Markin and others; under the editorship V.M. Confused – 2nd ed., corr. - K.: VSV "Medicine", 2017. - 1032 p.
7. Obstetrics: a textbook / V.I. Pyrogoval, O.V. Bulavenko, Yu.P. Vdovichenko. under the editorship Pirogov V.I. – Vinnytsia: Nova kniga, 2021. – 472 p.

8. Obstetrics and gynecology: in 2 books. Book 1. Midwifery. Textbook (universities of III-IV levels of accreditation/Edited by V.I. Hryshchenko, M.O. Shcherbiny. - 2nd ed., corrected. 2017. - 376 p.
9. Obstetrics and gynecology: in 2 books. Book 2. Gynecology. Textbook (University III-IV accreditation levels/Edited by V.I. Hryshchenko, M.O. Shcherbiny – 2nd ed., corrected. 2017. – 376 p.
10. Intra-abdominal bleeding in gynecology: monograph / I.Z. Gladchuk, O.Ya. Nazarenko, R.O. Tkachenko. – Odesa: Odesa Medical University, 2021. – 111 p.
11. 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.
12. Zaporozhan V.M., Tarabrin O.O. Simulation medicine. Experience. Acquisition Prospects. Practical advisor. Sumy: PF Publishing House "University Book", 2018. - 240 p.
13. Magowan B.A. Clinical obstetrics and gynecology: 4th edition / B.A. Magowan, F. Owen, E. Thompson. - K.: VSV "Medicine", 2021. - 454 p.
14. Training manual on obstetrics/ed. I.B. Ventskivska. V.P. Lakatosha, V.M. Kushcha. - K., 2018. - RA Harmony - 210 p.
15. Comprehensive Gynecology- 8th Ed./D.M. Hershenson, G.M. Lentz, F.A. Valea et al. Elsevier. 2021- 881 p.
16. Oxford Textbook of Obstetrics and Gynecology/Ed.by S. Arulkumaran, W. Ledger, L. Denny, S. Doumouchsis. – Oxford University Press, 2020-928

Additional:

1. Dubuisson J.B. Laparoscopic anatomy of the female genital tract: Karl Storz MediaService, 2014. -74 c.
2. Early pregnancy loss. Queensland Clinical Guidelines. MN17.29-V4-R22 May 2017. – P. 1-39
3. 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/
<http://www.drlz.com.ua/>
<https://www.who.int/ru>
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>