

SYLLABUS

INTERNATIONAL EUROPEAN
UNIVERSITY



SCHOOL OF
MEDICINE

OBSTETRICS AND GYNAECOLOGY

2023



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Discipline				
		OBSTETRICS AND GYNAECOLOGY		
Teacher(s)				
		Lesovska Svitlana Hryhorivna		
Profile of the teacher(s)				
		https://medicine.ieu.edu.ua/pro-yemsh/kafedry/kafedra-klinichnykh-dystsyplin		
Consultations				
Face-to-face consultations		Third Friday of the month from 15:00 to 16:00		
Online consultations		Third Friday of the month from 15:00 to 16:00		
Contact phone number				
		+38 (067) 479 33 40		
E-mail				
		svitlanalesovska@ieu.edu.ua		
Discipline page				
		https://medicine.ieu.edu.ua/pro-yemsh/kafedry/kafedra-klinichnykh-dystsyplin		
Form of final control		offset	differentiated credit	exam
		☐	☐	☐

1 Brief summary of the discipline

Obstetrics and gynaecology is a branch of medical science that studies the physiological and pathological processes that occur in a woman's body during pregnancy, childbirth and the postpartum period, the organisation and provision of medical care to pregnant women and women in labour, as well as the diagnosis, treatment and prevention of diseases of the female genital area.

2 Передумова вивчення дисципліни

Creating prerequisites for successful education in teaching obstetrics and gynaecology, improving the study of the discipline and systematising knowledge in the training of specialists.

3 Purpose and objectives of the discipline

The purpose and objectives of the discipline "Obstetrics and Gynaecology" is to acquire knowledge, skills and practical skills in conservative and operative gynaecology, as well as the management of physiological and pathological pregnancy, childbirth, postpartum, assessment of the fetus and newborn, the use of basic and additional research methods in accordance with the educational and professional programme.

4 Learning outcomes

PLO-1	Have a thorough knowledge of the structure of professional activity. Be able to carry out professional activities that require updating and integrating knowledge. To be responsible for professional development, the ability to further professional and the ability to further professional learning with a high level of autonomy.
PLO-3	Specialised conceptual knowledge, including scientific achievements in the field of health care and the basis for research, critical thinking of medical problems and related interdisciplinary issues.
PLO-4	Select and identify the leading clinical symptoms and syndromes (according to list 1); using standard methods, using preliminary data from the patient's history, examination of the patient, knowledge of the person, his/her organs and systems, establish preliminary clinical diagnosis of the disease (according to list 2).
PLO-5	Collect complaints, anamnesis of life and disease, assess the patient's psychomotor and physical development, the state of organs and body systems, and evaluate information on the basis of laboratory and instrumental studies regarding the diagnosis (according to list 4), taking into account the patient's age.
PLO-6	To establish the final clinical diagnosis by making an informed decision and analysing the obtained subjective and objective data of clinical, additional examination, differential diagnosis, following the relevant ethical and legal standards, under the supervision of a supervising physician in the conditions of healthcare facility (according to list 2).
PLO-7	To prescribe and analyse additional (mandatory and optional) methods of examination (laboratory, functional and/or instrumental) (according to the list 4), patients with diseases of organs and systems of the body for differential diagnosis of diseases (according to list 2).



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Learning outcomes

PLO- 9	Determine the nature and principles of treatment of patients (conservative, surgical) with diseases (according to list 2), taking into account the patient's age, in a health care facility, outside it and at the stages of medical evacuation, including in the field, based on a preliminary clinical diagnosis, following the relevant ethical and legal standards, by making an informed decision according to existing algorithms and standard schemes, if necessary, expand the standard scheme, be able to justify personalised recommendations under the supervision of a supervising physician
PLO- 10	Determine the necessary work, rest and nutrition regime based on the final clinical diagnosis, in compliance with relevant ethical and legal standards, by making an informed decision according to existing algorithms and standard schemes.
PLO- 11	Determine the approach, plan and tactics of physiological pregnancy, physiological delivery and postpartum period by making an informed decision based on existing algorithms and standardised schemes.
PLO- 12	To assess the general condition of a newborn child by making an informed decision according to existing algorithms and standardised schemes, in compliance with the relevant ethical and legal standards.
PLO- 17	Perform medical manipulations (List 5) in a medical institution, at home or at work based on a preliminary clinical diagnosis and/or patient's condition indicators by making an informed decision, observing relevant ethical and legal standards.
PLO- 18	Determine the state of functioning and limitations of a person's vital activity and the duration of disability with the preparation of relevant documents, in a healthcare facility, based on data on the disease and its course, the specifics of the person's professional activity, etc. Maintain medical records for the patient and the population on the basis of regulatory documents.
PLO- 21	Find the necessary information in professional literature and databases from other sources, analyse, evaluate and apply this information.
PLO- 22	Apply modern digital technologies and specialised software, statistical methods of data analysis to solve complex healthcare problems.
PLO- 23	Evaluate the impact of the environment on human health to assess the state of morbidity of the population.
PLO- 24	Organise the necessary level of individual safety (own and those he/she cares for) in the event of typical hazardous situations in the individual field of activity. and those he/she cares for) in the event of typical hazardous situations in the individual field of activity.
PLO- 25	Clearly and unambiguously communicate own knowledge, conclusions and arguments on healthcare and related issues to specialists and non-specialists.
PLO- 27	Communicate fluently in the state language and English, both orally and in writing, to discuss professional activities, research and projects.
PLO- 28	Make effective decisions on healthcare issues, assess the resources required, and consider social, economic and ethical implications.



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5 ECTS Credits

The discipline takes 9.0 ECTS credits and 270 hours to study.

6 Structure of the discipline

Topic	L.	Pr.	Ind.
SECTION I./4th year			
Diseases of the female reproductive system.			
Endocrine disorders of the female reproductive system			
Topic 1: Organisation of obstetric and gynaecological service in Ukraine. The role of the family doctor in the provision of obstetric and gynaecological care.		2	3
Topic 2. Clinical anatomy and physiology of the female genital organs. Methods of examination of gynaecological patients. General symptomatology in gynaecology.	2	4	3
Topic 3. Neuroendocrine regulation. Disorders of the functions of the of the reproductive system.	2	4	4
Topic 4. Neuroendocrine syndromes in gynaecology.		2	4
Fundamentals of oncogynaecology			
Topic 5. Benign tumours of the female genital organs. Endometriosis.	2	4	4
Topic 6. Precancerous diseases of the female genital organs. Malignant neoplasms of the genitals. Trophoblastic diseases.		4	4
Inflammatory diseases of the female genital organs and gynaecological diseases requiring emergency care			
Topic 7. Inflammatory diseases of the female genital organs.	2	4	3
Topic 8. "Sharp abdomen" in gynaecology.	2	4	4
Infertile marriage. Family planning			
Topic 9: Infertile marriage.		2	6
Topic 10. Family planning.		2	3
Topic 11. Credit. Defence of the medical history.		4	
Total: credits ECTS – 3,0 hours – 90; among them:	10	36	38
SECTION II/5th year			
Physiological and pathological course of pregnancy, childbirth and postpartum period and postpartum period.			
Physiological course of pregnancy, childbirth and the postpartum period			
Topic 1: The female pelvis. The fetus as an object of childbirth. The physiology of pregnancy. Methods of examination of pregnant women. Perinatal protection of the fetus.	2	4	4



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Structure of the discipline

Topic	L.	Pr.	In d.
Topic 2. Physiology of childbirth. Anaesthesia of childbirth. Physiology of the postpartum period. Physiology of the newborn period.		4	4
Pathological course of pregnancy, childbirth and the postpartum period.			
Topic 3: Abnormalities in the development of the fetal egg. Multiple pregnancy. Placental dysfunction. Fetal distress. Delayed fetal development.	2	4	4
Topic 4. Isoantigenic incompatibility of mother and fetal blood.		4	4
Topic 5. Early gestosis. Hypertensive disorders in pregnancy. Pre-eclampsia. Eclampsia.	2	2	6
Topic 6. Miscarriage of pregnancy.		4	4
Topic 7. Narrow pelvis. Anomalies of fetal position and presentation of the fetus. Childbirth in the wrong position and breech presentation of the fetus. Abnormalities of uterine contractile activity.		4	4
Topic 8: Obstetric haemorrhage during the second half of pregnancy, labour and postpartum. Intensive care and resuscitation in obstetric haemorrhage.	2	4	4
Topic 9: Operative obstetrics. Birth traumatism. Postpartum septic diseases.	2	2	6
Topic 10. Credit. Defence of the academic history of childbirth.		4	4
Total: ECTS credits – 3,0 hours – 90; among them:	10	36	44
Section III / 6th year. Obstetrics and gynaecology.			
Pathological conditions of the reproductive system in different age groups.			
Topic 1: Disorders of menstrual function in reproductive age, neuroendocrine syndromes. Physiological and pathological conditions in the perimenopausal period. Pathological conditions of the reproductive system in childhood and adolescence. Methods of contraception for adolescents.		5	5
Gynaecological diseases.			
Topic 2. Female urogenital inflammatory diseases. Benign neoplasms of the female genital organs. Dyshormonal diseases of the mammary gland. Endometriosis.		5	5
Topic 3. Precancerous diseases of the female genital organs. Malignant neoplasms. Emergency conditions in gynaecology.		5	5
Topic 4. Surgical interventions in gynaecology. Preparation and postoperative management of gynaecological patients in urgent and planned surgical interventions. Prevention of HIV infection.		5	5
Infertility in marriage. Family planning.			
Topic 5. Infertility. Modern aspects of family planning. Methods of contraception. WHO medical criteria for the acceptability of contraceptive methods.		4	5



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Physiological obstetrics			
Topic 6. Physiological pregnancy, childbirth and the postpartum period. Perinatal protection of the fetus. Pharmacotherapy in obstetrics.		4	5
Pathology of pregnancy and childbirth.			
Topic 7. Early gestosis. Hypertensive disorders in pregnancy. Pre-eclampsia. Eclampsia. Premature termination of pregnancy. Pregnancy overdue. Multiple pregnancy. Anomalies of the bone pelvis. The problem of macrosomia in modern obstetrics. Discrepancy between the fetal head and the mother's pelvis. Incorrect position and breech presentation of the fetus		4	5
Topic 8: Bleeding during pregnancy, childbirth and the postpartum period. Hemorrhagic shock. ICE syndrome. Intensive care and resuscitation for bleeding in obstetrics. Abnormalities of uterine contractile activity. Birth trauma of mother and fetus. Modern approaches to the diagnosis and treatment of maternal and fetal trauma.		5	5
Topic 9: Pregnancy and childbirth in extragenital diseases. Perinatal infections. Prevention of vertical transmission of HIV.		5	5
Topic 10. Surgical interventions in obstetrics. Postpartum septic diseases. Placental dysfunction, delayed fetal development, fetal development, fetal distress.		4	5
Examination			
Total ECTS credits – 3,0; hours – 90; among them:		46	50
Total for discipline ECTS – 9,0; 270 год	20	118	132

7 Signs of discipline

Term of Teaching	Semester	International disciplinary integration	Course (year of study)	Cycles: general training/ vocational training/ free choice
3 year	VIII, X, XII	Yes	4,5,6 st	Vocational training

8 Evaluation system and requirements

Current control is carried out on the basis of control of theoretical knowledge, practical skills and abilities. The forms of current control are: oral questioning (frontal, individual, combined), interview; practical testing of the formed professional skills (conducted on the basis of the results of solving clinical cases, working with medical documentation, performing practical skills, working at the patient's bedside); test control ("open" and "closed" test tasks).

Current control is mandatory. When assessing the mastery of each topic in all disciplines of the curriculum, the student is given grades on a 4-point (traditional) scale for current learning activities, taking into account the approved assessment criteria for the discipline. All types of work provided by the curriculum are taken into account. The student must receive a grade for each topic. The teacher conducts a survey of each student in the group at each lesson and gives a grade in the student's attendance and progress record on a traditional scale ("5", "4", "3", "2").



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When assessing a student's current learning activities, 20% of the grade is based on the student's independent work, which takes into account the knowledge of the topic of the independent lesson and the work in the notebook.

The final (summative) control is carried out: in the form of a written control work, which includes test tasks, theoretical questions; control of practical skills (solving clinical cases, defending a medical history, assessing the correctness of practical skills - a practice-oriented exam.

In accordance with the specifics of professional training, preference is given to test and practice-oriented control.

QR Code: <https://ieu.edu.ua/docs/pol-ornzvoems.pdf>

9 Conditions for admission to the final control

Students who have completed all types of work and assignments provided for in the curriculum for the semester in accordance with the discipline, attended all classes provided for in the curriculum, written and submitted a medical history and have an average score for current academic activities of at least "3" (72 points on a 120-point scale) are admitted to the semester final control.

QR Code: <https://ieu.edu.ua/docs/pol-ornzvoems.pdf>

10 Discipline policy

A prerequisite for a successful educational process is personal compliance by each student of a higher education institution with the rules of conduct accepted both at the university and in society. The future doctor must have a high level of behavioural culture, behave with dignity, tact, and self-control.

The student must be on time for classes and wear academic medical uniform (white coat or surgical suit). The student must adhere to the schedule of the educational process, come to class prepared on the topic of the class. During the class, the student must not leave the classroom without the permission of the teacher; use a mobile phone and other means of communication and information without the permission of the teacher; engage in outside activities, distract other students. When writing different types of papers, students must adhere to the rules of academic integrity.

The teacher must adhere to the implementation of the curriculum, objectively assess students' knowledge and skills. During the educational process, the teacher must be aware of anti-corruption measures and not engage in corrupt activities.

11 Policy on absences and late assignments

A student who, for valid reasons, confirmed by documentary evidence, was not subject to current control has the right to pass the current control within two weeks after returning to study.

A student who was absent from classes without valid reasons, did not participate in the current control activities, did not eliminate academic debt, is not allowed to take the final semester control of knowledge in this discipline, and on the day of the exam, the academic staff member gives the grade "not admitted" in the examination record. Retaking the differentiated test in the discipline is assigned subject to the completion of all types of educational, independent (individual) work provided for in the working curriculum of the discipline and is carried out in accordance with the schedule of liquidation of academic debt approved by the directorate.

QR Code: <https://ieu.edu.ua/images/AndreyContent/docs/16.pdf>

12 Academic integrity policy

Participants in the educational process are guided by the principles of academic integrity

QR Code: <https://ieu.edu.ua/images/AndreyContent/docs/16.pdf>

13 Recommended sources of information

Main (basic)



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1. Obstetrics and gynaecology: in 2 books. Book 1: Obstetrics: textbook / V.I. Hryshchenko, M.O. Shcherbyna, B.M. Ventsivsky et al. - 4th edition, K., Medicine, 2020. -424 p.
2. Modern approaches to the management of childbirth and the postpartum period in the pathological course of pregnancy: a textbook / A.M. Gromova et al: 2016. - 259 c
3. Likhachev V.K. Gynaecology. a guide for doctors. 2018, Vinnytsia: New book, ukr.
4. Gynaecology: a textbook (universities of I-III years of study) / O.V. Stepankivska, M.O. Shcherbyna. - 4th ed., rev. K. Medicine, 2018. -432 p.
5. Obstetrics and gynaecology: In 4 vols. Edited by V.M. Zaporozhan - K., 2017. 1032 p. (<https://www.megakniga.com.ua>).
6. Obstetrics: Textbook for medical. Approved by the Ministry of Education and Science of Ukraine / B.M. Ventsivsky, G.K. Stepankivska, M.E. Yarotsky.
7. Oxford textbook of obstetrics and gynaecology / William Ledger, Lynette Denni / 2020 - 650p.
8. Obstetrics and Gynaecology: In two volumes. - Volume 1: Obstetrics-Obstetrics: textbook / Group of authors, Edited by V.I. Gryshchenko, M.O. Shcherbina: AUS Medicine Publishing, 2014. - 392 p.
9. Obstetrics By Ten Teachers: Edited by Geoffrey Chamberlain. - Seventeenth Edition. - Co-published in the USA by Oxford University Press, Inc., New York, 2004. - 284 p.
10. Grishchenko V.I. Obstetrics and gynaecology, v.1., 2015.
11. Grishchenko V.I. Obstetrics and gynaecology, v.2., 2015.

Auxiliary:

1. Obstetrics: Textbook for medical. Approved by the Ministry of Education and Science of Ukraine / B.M. Ventsivsky, G.K. Stepankivska, M.E. Yarotskyi, 2012.
2. Emergency conditions in obstetrics: a textbook for students of higher education institutions / edited by Ventsivsky B.M., Senchuk A.Y. Zelinsky O.O. - O.: TES.-2011.- 260 p.
3. "Pregnancy and labour in case of extragenital diseases" Study guide for practical training in obstetrics and gynaecology for foreign students of the V course of the School of Medicine / prof. Korchynska O.O., Malyar V.V., Loya N.O. / ed.
1. prof. Malyar V.A.) // "FPO Sabov A.V.". 2019. - 38c.
4. Test tasks KROK - 2. Methodological development for practical classes in obstetrics and gynaecology for students of the VI year of the medical faculty / Korchynska O.O., Malyar V.V., Loya N.O. // edited by prof. Malyar V.A. - Uzhhorod - "Sabov A.V.". 2019. - 46 p.
5. Clinical tasks in obstetrics and gynaecology for students of IV-VI courses (part I). Methodical development for practical classes in obstetrics and gynaecology for students of IV-VI courses of the School of Medicine / O.O.Korchynska, N.Y.Bysaha / edited by prof. Malyar V.A. - Uzhhorod: "Lyra", - 2019.- 119p.
6. Clinical tasks in obstetrics and gynaecology for students of IV-VI courses (part P). Methodological development for practical classes in obstetrics and gynaecology for students of IV-VI courses of the School of Medicine / O.O. Korchynska, N.Y. Bysaha / edited by Prof. Malyar V.A. - Uzhhorod: "Lyra", - 2019.-119c.

Information resources:

1. Order of the Ministry of Health of Ukraine of 13.04.2016 No. 353 (as amended on 23.09.2016 No. 994) "On approval and implementation of medical and technological documents on standardisation of medical care for abnormal uterine bleeding" (<http://www.dec.gov.ua>)
1. Order of the Ministry of Health of Ukraine of 06.04.2016 No. 319 "On Approval and Implementation of Medical and Technological Documents on Standardisation of Medical Care for Genital Endometriosis".
2. Order of the Ministry of Health of Ukraine of 18.05.2023 No. 928 "On Approval of Medical Care Standards
"Inflammatory diseases of the pelvic organs" (<https://www.dec.gov.ua/mtd/home/>).
3. Order of the Ministry of Health of Ukraine of 30.09.2023 No. 1713 "On Approval of the Standard of Medical Care
"Malignant neoplasms of the uterine body".
4. Order of the Ministry of Health of Ukraine of 05.01.2022 No. 8 "On Approval of the Unified Clinical Protocol for Primary, Secondary (Specialised) and Tertiary (Highly Specialised) Medical Care
"Caesarean section".
5. Order of the Ministry of Health of Ukraine of 25.01.2023 No. 147 "On Approval of Medical Care Standards "Uterine leiomyoma".



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Recommended sources of information

6. Order of the Ministry of Health of Ukraine of 04.08.2023 №1401 "On approval of the standard of medical care Medical abortion (first trimester of pregnancy)".
7. Order of the Ministry of Health of Ukraine of 17.06.2022 No. 1039 "On Approval of the Unified Clinical Protocol for Primary, Secondary (Specialised), Tertiary (Highly Specialised) Medical Care "Menopausal Disorders and Other Disorders in the Perimenopausal Period".
8. Order of the Ministry of Health of Ukraine of 09.08.2022 No. 1437 "On Approval of Medical Care Standards
"Normal Pregnancy".
9. Order of the Ministry of Health of Ukraine of 13.07.2022 No. 1218 "On Approval of the Unified Clinical Protocol of Primary and Specialised Medical Care "Premenstrual Syndrome".
10. Order of the Ministry of Health of Ukraine of 26.04.2022 No. 692 "On Approval of the Evidence-Based Clinical Guideline on Prevention of Mother-to-Child Transmission of HIV" and Standards of Care
"Prevention of mother-to-child transmission of HIV".
11. Order of the Ministry of Health of Ukraine of 02.04.2014 №236 "On approval and implementation of medical and technical documents on standardisation of medical care for cervical dysplasia and cancer".
12. Order of the Ministry of Health of Ukraine of 26.01.2022 No. 170 "On Approval of the Unified Clinical Protocol of Primary, Secondary (Specialised), Tertiary (Highly Specialised) Medical Care "Physiological Childbirth".
13. Order of the Ministry of Health of Ukraine of 15.12.2022 No. 2264 "On Approval of Medical Care Standards
"Abnormal vaginal discharge"
14. Order of the Ministry of Health of Ukraine of 05.05.2021 No. 869 "On Approval of the Unified Clinical Protocol for Primary, Secondary (Specialised), Tertiary (Highly Specialised) Medical Care "Endometrial Hyperplasia".
15. Order of the Ministry of Health of Ukraine No. 151 of 24.01.2022 "On Approval of the Unified Clinical Protocol of Primary, Secondary (Specialised) and Tertiary (Highly Specialised) Medical Care "Hypertensive Disorders during Pregnancy, Childbirth and the Postpartum Period".
16. Order of the Ministry of Health of Ukraine of 24.09.2022 No. 1730 "On Approval of the Standards of Medical Care "Ectopic Pregnancy".
17. Order of the Ministry of Health of Ukraine of 02.10.2023 No. 1718 "On Approval of the Standard of Medical Care
"Fetal growth retardation".
18. Order of the Ministry of Health of Ukraine of 25.08.2023 No. 1533 "On Approval of the Standard of Care
"Premature rupture of membranes".
19. Order of the Ministry of Health of Ukraine of 21.01.2014 No. 59 "On Approval and Implementation of Medical and Technical Documents on Standardisation of Medical Care in Family Planning".
20. Order of the Ministry of Health of Ukraine of 29.11.2013 №1030/102 "On Improvement of the Family Planning and Reproductive Health Care System in Ukraine".
21. testkrok.org.ua Step 2: Preparation for testing.
- International clinical protocols of Duodecim Medical Publications Ltd [electronic resource dec.gov.ua].
22. Guideline of the Diabetes Association of Canada "Diabetes mellitus and pregnancy" // Women's Doctor 2020 №5 (91) - C.40-66.
23. Consensus and recommendations of the International Society of Anaesthesia in Obstetrics and Perinatology for rapid recovery after caesarean section // Women's Doctor 2021 №5 (97) - pp. 50-62.
24. Guideline of the Royal College of Obstetricians and Gynaecologists "Coronavirus (COVID-19): vaccination of pregnant women" // Women's Doctor 2021 №5 (97) - P.62-66.
25. English-language textbooks KAPLAN MEDICAL STEP 1 Lecture Notes 2018 p. 3-377 KAPLAN MEDICAL STEP 2 CK Lecture Notes 2018 p.1-473



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Tips for successful studying on the course

If you want to be successful in this discipline, you need to:

1. Be active, persistent, inquisitive, consistent
2. Be tidy and polite
3. Systematically prepare for practical classes
4. Perform tasks for independent work and defend them in class.
5. To be present at the class in a medical gown
6. To solve tests and tasks independently, to work actively in class.
7. Prepare presentations and crosswords on the discipline. Participate in student scientific conferences and engage in research work in the department's scientific circles.

I wish you perseverance, dedication and motivation to learn. And then success will come to you! See you in class!