

**MINISTRY OF HEALTH OF UKRAINE  
ODESSA NATIONAL MEDICAL UNIVERSITY**

**Faculty international**

**Department of Obstetrics and Gynecology**

**Syllabus of the work program**

**INDUSTRIAL MEDICAL PRACTICE**

**"OBSTETRICS AND GYNECOLOGY"**

**( THE MAIN DUTIES AND PROFESSIONAL ACTIONS OF THE  
DOCTOR OF THE GYNECOLOGICAL DEPARTMENT OF THE HOSPITAL)**

<b>Scope of practice</b>	Total hours per discipline: 60 hours, 2.0 credits. VII - VIII semesters, 4th year of study
<b>Days, time, place of practice</b>	According to the schedule of classes. Department of Obstetrics and Gynecology. Odesa, st. Pastera, 9
<b>Teacher(s)</b>	Gladchuk I.Z., doctor of medicine, professor, head of the department. Teachers of the Department of Obstetrics and Gynecology
<b>Contact Information</b>	Help by phone: Natalia Bykova, head teacher of the department 097-643-1180 Christina Litvin, laboratory assistant (048) 723-29-01 E-mail: natalia.bykova@onmedu.edu.ua Face-to-face consultations: Thursday 14.30-16.00, Saturday 9.00-13.00 Online consultations: Thursday 14.30-16.00, Saturday 9.00-13.00 The link to the online consultation is provided to each group during classes separately.

**COMMUNICATION**

Communication is possible during face-to-face consultations (offline / Face to face), or remotely (online) using Teams (by prior agreement). Communication can also be carried out using E-mail. At the same time, it is necessary to indicate your last name, first name, course, faculty and name of the course. Solving "work issues" is possible at the specified phone number.

## **COURSE ABSTRACT**

*The subject of "Obstetrics and Gynecology" practice* is the principles of management of women with gynecological disorders and the formation and acquisition of practical skills.

*Course prerequisites:* human anatomy, physiology, microbiology, virology and immunology, general surgery (with operative surgery and topographic anatomy).

*Postrequisites:* obstetrics and gynecology, internal medicine, surgery, endocrinology, infectious diseases, oncology, general practice (family medicine).

*The aim of the course:* consolidation and deepening of the theoretical knowledge obtained by the student in the process of industrial medical practice, formation of elements of professional competences, practice directly in the conditions of the gynecological department of the hospital of skills and abilities from industrial medical practice "obstetrics and gynecology".

### *The tasks:*

1. Acquaintance of students with the specifics of the professional activity of the doctor of the gynecological department of the hospital.
2. Formation of elements of professional competences of the doctor of the gynecological department of the hospital.
3. Mastery of medical manipulations in the field of obstetrics and gynecology.

*Expected results.* In the process of passing industrial medical practice, it is aimed at forming the elements of the following competencies.

### *Know:*

- Basic principles of organizing obstetric and gynecological care for the population of Ukraine.
- Tactics of managing patients with various types of gynecological pathology.
- Methods of contraception for certain categories of the population; WHO medical acceptance criteria for the use of contraception.

### *Be able:*

- Collect data on the patient's complaints, medical history, life history.
- Evaluate information about the diagnosis using a standard procedure, based on the results of laboratory and instrumental studies.
- Determine from the list the necessary clinical and laboratory and instrumental studies and evaluate their results (list 4).
- Identify the leading clinical symptom or syndrome (list 1).
- Establish a preliminary diagnosis, carry out differential diagnosis and determine the clinical diagnosis of the disease (list 2).
- Determine the principles of treatment of diseases, the necessary regime of work and rest, the nature of nutrition (list 2).
- Diagnose emergency conditions (list 3).
- tactics and provide emergency medical aid in emergency situations (list 3).
- Conduct counseling on family planning issues.
- Conduct an assessment of the patient and the necessary examination before using

- the contraceptive; demonstrate the ability to conduct family planning counseling.
- Reasonably formulate and demonstrate to the patient, relatives and specialists recommendations regarding the choice of contraception method; provide the necessary information about changes in a woman's body during the use of a contraceptive.
- Use the skills of communication and clinical examination of the patient.
- Perform medical manipulations (list 5).
- Keep medical records.

## DESCRIPTION OF PRACTICE

### *Forms and methods of education*

The course will be taught in the form of practical classes (36 hours), organization of independent work of applicants (24 hours), including preparation for CPE (4 hours).

*Teaching methods:* conversation, role-playing, solving clinical situational problems, practicing the skills of examining patients, practicing the skills of performing manipulations according to list 5, instructing and practicing skills on simulation dummies, direct work with the patient

### Content of practice

#### **Topic 1. Medical manipulations in gynecology.**

Speculum examination of the vagina and uterine cervix. Bacterioscopic and bacteriological tests the female genital tract microflora, collection of samples for Pap smear. Bimanual pelvic examination. Clinical examination of the breasts. Culdocentesis. Oncoprophylaxis and oncodiagnosis in gynecology.

#### **Topic 2. Counseling on family planning and selection of a contraceptive method.**

Patient examination plan before choosing a contraceptive method. Evaluation of the patient and the medical criteria for the acceptance of the contraceptive method.

#### **Topic 3. Emergency care for abnormal uterine bleeding (AUB).**

Examination of patients with AUB. Provision of urgent medical care.

#### **Topic 4. Major and minor gynecological operations.**

Preparation of patients for urgent and planned surgical intervention. Management of the postoperative period.

#### **Topic 5. Curation of a gynecological patient.**

Determination of the necessary list of laboratory and instrumental studies and evaluation of their results. Establishing a preliminary and clinical diagnosis of the disease. Protection of case history.

## *List of recommended literature*

### **Basic:**

1. Obstetrics and Gynecology: in 2 vol.:textbook. Volume 2. Gynecology / V.I. Gryshchenko, M.O. Shcherbina, B.M. Ventskiivskyi et al.; edited by V.I. Gryshchenko, M.O. Shcherbina. — 3th edition. — K.: AUS Medicine Publishing, 2022 – 352 p.
2. Oats, Jeremy Fundamentals of Obstetrics and Gynaecology [Text]: Liewellyn-Jones Fundamentals of Obstetrics and Gynaecology / J. Oats, S. Abraham. – 10<sup>th</sup> ed. – Edinburgh [etc.]: Elsevier, 2017. – VII, 375 p.
3. Llewellyn-Jones Fundamentals of Obstetrics and Gynaecology (10th Ed). Jeremy Oats, Suzanne Abraham. Elsevier. 2016. – 384 pp.
4. Dutta, Durlav Chandra. D. C. Dutta's Textbook of Gynecology including Contraception / D.C. Dutta; ed/ Hiralal Konar. – 7<sup>th</sup>.ed. – New Delhi: Jaypee Brothers Medical Publishers, 2016. – XX, 574 p.

### **Additionally:**

1. Clinical obstetrics and gynecology: Education. help.: trans. 4th Eng. view. / Brian A. Magowan, Philip Owen, Andrew Thomson; Ed. of Sciences trans. Mykola Shcherbyna. — K., 2021. — X, 454 p., tv. pal., (art. 4 pr.).
2. Oats, Jeremy Fundamentals of Obstetrics and Gynaecology [Text]: Liewellyn-Jones Fundamentals of Obstetrics and Gynaecology / J.Oats, S.Abraham. – 10<sup>th</sup> ed. – Edinburgh [etc.]: Elsevier, 2017. – VII, 375 p.
3. Ian M. Symonds, Sabaratnam Arulkumaran Essential Obstetrics and Gynaecology, 6th Edition / Ian M. Symonds, Sabaratnam Arulkumaran. – Elsevier, 2020. – 480 pp.
4. Normative documents of the Ministry of Health of Ukraine on obstetrics and gynecology:

### **Electronic information resources**

1. <https://www.cochrane.org/> - Cochrane / Cochrane Library
2. <https://www.acog.org/> - American Association obstetricians and Gynecologists / The American College of Obstetricians and Gynecologists
3. <https://www.uptodate.com> – UpToDate
4. <https://online.lexi.com/> - Wulters Kluwer Health
5. <https://www.ncbi.nlm.nih.gov/> - National center biotechnological of information / National Center for Biotechnology Information
6. <https://pubmed.ncbi.nlm.nih.gov/> - International medical library / National Library of Medicine
7. <https://www.thelancet.com/> - The Lancet
8. <https://www.rcog.org.uk/> - Korolevska Association obstetricians and gynecologists / Royal College of Obstetricians & Gynaecologists

9. <https://www.npwh.org/> - Practitioners nurses with protection I 'm healthy women / Nurse practitioners in women's health
10. <http://moz.gov.ua> - Ministry protection health of Ukraine
11. [www.ama-assn.org](http://www.ama-assn.org) - American medical association / [American Medical Association](http://www.AmericanMedicalAssociation.org)
12. [www.who.int](http://www.who.int) - World organization protection health
13. [www.dec.gov.ua/mtd/home/](http://www.dec.gov.ua/mtd/home/) - State expert center of the Ministry of Health of Ukraine
14. <http://bma.org.uk> - British medical association
15. [www.gmc-uk.org](http://www.gmc-uk.org) - General Medical Council (GMC)
16. [www.bundesaeztekammer.de](http://www.bundesaeztekammer.de) – German medical association
17. [www.euro.who.int](http://www.euro.who.int) - European regional office of the World organizations protection health

### **FORMS OF CONTROL AND EVALUATION METHODS (INCLUDING CRITERIA FOR EVALUATING PRACTICE RESULTS)**

**Current control:** survey, testing, evaluation implementation practical skills, assessment communicative skills during the role play games, solutions situational clinical tasks, assessment activity in class.

**Final control:** CPE.

**Assessment current activities in practical classes:**

- Assessment theoretical knowledge on the topic of the lesson:
  - methods: survey, solution situational clinical tasks
  - assessment: maximum – 5, minimum – 3, unsatisfactory - 2
- Rating practical skills and manipulations on the topic of the lesson:
  - methods: assessment correctness implementation practical skills
  - assessment: maximum – 5, minimum – 3, unsatisfactory - 2
- Assessment work from patients on the subject of the lesson:
  - methods: communicative skills communication with the patient and his close ones; correctness assignments and evaluations laboratory and instrumental research; \_ compliance with the implementation algorithm differential diagnosis; justification clinical diagnosis; drawing up a treatment plan
  - assessment: maximum – 5, minimum – 3, unsatisfactory - 2

Score for one practical class is an arithmetic average in all respects constituents and can have only an integer value (5, 4, 3, 2), which is rounded according to the statistics method.

#### **Current evaluation criteria in practical training**

<b>Mark</b>	<b>Evaluation criteria</b>
Perfectly "5"	The student is fluent in the material, takes an active part in discussing and solving a situational clinical problem, confidently demonstrates practical skills. Excellently interprets the data of clinical, laboratory and instrumental studies, expresses his opinion on the topic of the

	lesson, demonstrates clinical thinking.
Fine "4"	The student has a good command of the material, participates in the discussion and solution of a situational clinical problem, demonstrates practical skills. Interprets the data of clinical, laboratory and instrumental studies well with some errors, expresses his opinion on the topic of the lesson, demonstrates clinical thinking.
Satisfactorily "3"	The student does not have sufficient knowledge of the material, is unsure of participating in the discussion and solution of a situational clinical problem, demonstrates practical skills for and interprets clinical, laboratory and instrumental research data with significant errors.
Unsatisfactorily "2"	The student does not possess the material, does not participate in the discussion and solution of the situational clinical problem, does not demonstrate practical skills.

The student is admitted to the CPE on the condition that the requirements of the end-to-end work program of practice are fulfilled and if he received at least 3.00 points for the current activity.

**Evaluation of the results of the students' practice during the final control - comprehensive practical exam (CPE).**

The methodology of final control in the form of CPE is unified and involves the use of standardized forms. The number of practical skills taught at CPE corresponds to the number of production practice profiles on the corresponding course under the corresponding EPP.

Evaluation of the winner is carried out according to a checklist. During the CPE, the student receives a ticket, and the examiners use a checklist for the corresponding ticket with reference answers and determine which mandatory components of the answer were fulfilled or not fulfilled by the applicant.

Each point of the algorithm, depending on the complexity, is assigned a certain number of points. The specific weight (number of points) of each item may be different - depending on the number of items and the difficulty of performing a particular item. Some scenarios may have critical points, failing which the task is considered failed. Ambiguity of understanding should be excluded when forming checklist items.

When the applicant performs certain actions, he can receive "minus points", namely:

№	Evaluation criterion	Mark
1.	Unregulated action or attempt to communicate with the examiner, not provided for in the task	- 5
2.	The second unregulated action or attempt to communicate with the examiner, not provided for in the task	- 5
3.	The third unregulated action or attempt to communicate with the examiner, not provided for in the task	-5
4.	The fourth unregulated action or attempt to communicate with the examiner, not provided for in the task	- 5
5.	More than 4 unregulated actions	- 20

6.	Dangerous action (which will inevitably lead to deterioration of the patient's condition)	- 20
7.	Unacceptable behavior	- 20
8.	Damage to simulation equipment or inventory	- 20

The maximum score for completing a task at one station is 100 points. The CPE is considered completed if the applicant has scored at least 60% of the maximum number of points at each station.

The overall CPE score is calculated as the arithmetic average of all received scores for all profiles. CPE is held in the Educational and Production Complex of Innovative Technologies of Learning, Informatization and Internal Monitoring of Education Quality of the University during the examination sessions at the end of the semester (autumn and spring) according to the schedule.

### **Distribution of points received by students**

The obtained average score for the academic discipline for students who have successfully mastered the work program of the academic discipline is converted from a traditional four-point scale to points on a 200-point scale, as shown in the table:

#### **Conversion table of a traditional assessment into a multi-point scale**

<b>National assessment for the discipline</b>	<b>The sum of points for the discipline</b>
Perfect «5»	185 – 200
Good «4»	151 – 184
Satisfactory «3»	120 – 150
Unsatisfactory «2»	<120

A multi-point scale (200-point scale) characterizes the actual success of each applicant in learning the educational component. The conversion of the traditional grade (average score for the academic discipline) into a 200-point grade is performed by the information and technical department of the University. According to the obtained points on a 200-point scale, the achievements of the students are evaluated according to the ECTS rating scale. Further ranking according to the ECTS rating scale allows you to evaluate the achievements of students from the educational component who are studying in the same course of the same specialty, according to the points they received. The ECTS scale is a relative-comparative rating, which establishes the applicant's belonging to the group of better or worse among the reference group of fellow students (faculty, specialty). An "A" grade on the ECTS scale cannot be equal to an "excellent" grade, a "B" grade to a "good" grade, etc. When converting from a multi-point scale, the limits of grades "A", "B", "C", "D", "E" according to the ECTS scale do not coincide with the limits of grades "5", "4", "3" according to the traditional scale. Acquirers who have received grades of "FX" and "F" ("2") are not included in the list of ranked acquirers. The grade "FX" is awarded to students who have obtained the minimum number of points for the current

learning activity, but who have not passed the final examination. A grade of "F" is assigned to students who have attended all classes in the discipline, but have not achieved a grade point average (3.00) for the current academic activity and are not admitted to the final examination. Students who study in one course (one specialty), based on the number of points scored in the discipline, are ranked on the ECTS scale as follows: Conversion of the traditional grade from the discipline and the sum of points on the ECTS scale

**Conversion of traditional assessment in the discipline and the amount of points on the ECTS scale**

Assessment on the ECTS scale	Statistical indicator
A	The best 10% of students
B	The next 25% of students
C	The next 30% of students
D	The next 25% of students
E	The next 10% of students

**INDEPENDENT WORK OF STUDENTS.** Independent work involves preparation for each practical class, writing essays on the topics of missed classes.

**COURSE POLICY**

Deadlines and Rescheduling Policy:

- Absences of classes for non-respectable reasons are worked out according to the schedule of the teacher on duty.
- Absences due to valid reasons are processed on an individual basis schedule with the permission of the dean's office.

Academic Integrity Policy:

Observance of academic integrity by applicants is mandatory, and exactly:

- independent performance of all types of work, tasks, forms of control, provided by the work program of this academic discipline;
- references to sources of information in the case of using ideas, developments, statements, information;
- compliance with the legislation on copyright and related rights;
- provision of reliable information about the results of one's own study (scientific) activity, used research methods and sources information

Unacceptable in educational activities for educational participants process is:

- using family or official ties to obtain a positive or higher grade during any form of control of learning outcomes or academic performance;
- use of prohibited auxiliaries during control measures materials or technical means (cheat sheets, notes, micro-earphones, telephones, smartphones, tablets, etc.);
- passing the procedures for monitoring the results of training with fakes persons

For violation of academic integrity, students can be are brought to the following academic responsibility:

- a decrease in the results of assessment of control work, assessment in class, credit,

etc.;

- retaking the assessment (control work, credit, etc.);
- appointment of additional control measures (additional individual tasks, control works, tests, etc.);

- conducting an additional inspection of other works authored by the violator.

Attendance and Tardiness Policy:

Uniform: a medical gown that completely covers the outer clothing, or medical pajamas, a cap, a mask, and a change of shoes.

Equipment: notebook, pen.

State of health: applicants are ill with acute infectious diseases, including respiratory diseases, are not allowed to attend classes.

A student who is late for class can attend it, but if the teacher put "nb" in the journal, he must complete it in the general order.

Use of mobile devices:

Mobile devices may be used by collectors with permission the teacher, if they are needed to complete the task.

Behavior in the audience:

The behavior of students and teachers in classrooms should be professional and calm, strictly comply with the rules established by the Regulation on academic integrity and ethics of academic relations in Odesa National Medical University, in accordance with the Code of academic ethics and relations of the Odesa university community of the National Medical University, Regulations on Prevention and detection of academic plagiarism in research and educational work students of higher education, scientists and teachers of Odesa National Medical University.