



**Syllabus of the discipline "Obstetrics and Gynecology" Individual profile course of choice:  
Surgery**

<b>1. General information</b>	
<b>Faculty name</b>	Medical faculty
<b>Educational programme</b> (field, specialization, level of higher education, form of study)	22 Healthcare, 222 Medicine, second (master's) level of higher education, full-time
<b>Academic year</b>	2021-2022
<b>Name of discipline, code</b> (e-mail address on the website of LNMU named after Danylo Halytsky)	Obstetrics and Gynecology ББ (WB)-3.2 new.meduniv.lviv.ua/kafedry/kafedra-akusherstva-i-ginekologiyi/
<b>Department</b> (name, address, phone, e-mail)	Department of Obstetrics and Gynecology 79008 Lviv, Rapoport str., 8 E-mail: Kaf_obstetrics@meduniv.lviv.ua
<b>Head of the Department</b> (contact e-mail)	Professor, Corresponding Member of the National Academy of Medical Sciences of Ukraine, Markin L.B. Kaf_obstetrics@meduniv.lviv.ua
<b>Year of study</b> (the year when the discipline is taught)	6
<b>Semester</b> (semester in which the study of the discipline is implemented)	11,12
<b>Type of discipline / module</b> (mandatory / selective)	Selective
<b>Teachers</b> (names, surnames, scientific degrees and titles of teachers who teach the discipline, contact e-mail)	lmarkin,Markin,Leonid,shatik2@ukr.net, kshatylovyh,Shatylovyh,Kateryna,shatik2@ukr.net hsemenyna,Semenyna,Halyna,yaroslavbuchko@gmail.com opaienok,Pajenok,Oleksandr,a.payenok@gmail.com oshakhova,Shakhova,Olena,oshakhova69@gmail.com hkynunets,Kunyec,Halyna,rapoport,8@ukr.net esvjatockaja,Sviatocka,Olena,svelena@meta.ua ozhemela,Zhemela,Olena,Olenaz2008@ukr.net obesedyn,Besedin, Oleksandr,besedyn@gmail.com omatviyenko,Matvijenko,Oleh,oleh.doctor@gmail.com apopovych,Popovych,Alla,popallochka@ukr.net lsehedii,Segediy,Lidia,segediyliidia@gmail.com
<b>Erasmus</b> yes / no (availability of the discipline for students within the Erasmus program Erasmus+)	-
<b>Person responsible for syllabus</b> (person to be provided with comments on silabus, e-mail contact)	Sviatocka Olena, deputy head svelena@meta.ua  Yashchenko Larysa, deputy head kafakush@gmail.com

Number of credits ECTS	5 credits
Number of hours ( <i>lectures / practical classes / independent work of students</i> )	150 hours (lectures-0, practical classes-78, independent work of students-72)
Study language	English
Information on consultations	Consultations are held according to the consultation schedule at 16.00-18.00
Address, phone number and operating rules of the clinical base, bureau ... ( <i>if necessary</i> )	NME "3 <sup>rd</sup> Lviv Clinical City Hospital" Rapoporta str., 8 (round-the-clock); phone: +380(32)233 32 11  KHП «Lviv Maternity Clinical Hospital №1», Mechnicova str., 8 (round-the-clock); тел.+380(32)75 93 13

## 2. Description of the subject of discipline.

The subject direction of the discipline is to obtain knowledge of the compulsory discipline of professional training "Obstetrics and Gynecology", the study of which is necessary for successful professional activities. The subject direction of the program is to study the processes that occur in the woman's body, associated with conception, pregnancy, childbirth and postpartum period, and gynecological diseases. The program is focused on obtaining knowledge of the physiological and pathological course of these conditions, the formation of practical skills.

## 3. The purpose and objectives of the discipline

**1. The purpose** of teaching the discipline "Obstetrics and gynecology" is: acquisition of knowledge on physiological and pathological obstetrics, conservative and operative gynecology, assimilation of general principles of pregnancy, delivery and postpartum period, ability to analyze an obstetric situation and surgical risks of gynecological patient, use basic and additional research methods, demonstrate skills according to educational and professional program.

**2. The main tasks** are to teach a student to: interpret the clinical anatomy of the female genitalia and the physiology of the reproductive system; make a preliminary diagnosis of the main gynecological diseases, plan the examination and tactics of keeping the patient; identify etiological and pathogenetic factors of the main diseases of the female reproductive system; identify factors affecting family planning and develop activities aimed at rational family planning; plan pregnancy tactics, physiological childbirth and the postpartum period; make a preliminary diagnosis of complications of pregnancy, childbirth and the postpartum period; perform the necessary medical manipulations; plan and provide emergency care in obstetrics and gynecology.

### **3. Competences and learning outcomes**

**Integral:** the ability to solve complex tasks and practical problems in the field of professional activity 22 "Health", which involves the application of certain theoretical knowledge, skills, practical skills and methods of the relevant professional field.

#### **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. Interpersonal skills.
9. Ability to communicate in the official language both orally and in writing.
10. Ability to communicate in a foreign language.
11. Skills in the use of information and communication technologies.
12. Certainty and perseverance regarding the tasks and responsibilities.
13. Ability to act socially responsibly and consciously.
14. Striving for the preservation of the environment.
15. Ability to act on the basis of ethical considerations (motives).

**Special** (professional, subject):

1. Skills of interviewing and clinical examination of the patient.
2. Ability to determine the required list of laboratory and instrumental studies and assess their results.
3. Ability to make 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 of diseases.
6. Ability to determine the principles and nature of treatment of diseases.
7. Ability to diagnose emergency conditions.
8. Ability to determine the tactics of emergency medical care.
9. Emergency medical care skills.
10. Ability to carry out medical and evacuation measures.
11. Skills to perform medical manipulations.
12. Ability to determine the tactics of the management of physiological pregnancy, physiological delivery and the postpartum period. Family planning and contraceptive counseling skills.
13. Ability to carry out sanitary, hygienic and preventive measures.
14. Ability to plan and carry out preventive and anti-epidemic measures against infectious diseases.
15. Ability to determine the tactics of management the persons which are the subject to dispensary supervision.
16. Ability to perform a medical examination.
17. Ability to fill out medical records.
18. Ability to conduct epidemiological, medical and statistical studies of public health, processing of state, social, economic and medical information.
19. Ability to assess the impact of the environment, socioeconomic and bionic determinants on the health of the individual, family, population.
20. Ability to analyze the activities of a doctor, unit, health care institution, carry out measures to ensure the quality of medical care and improve the efficiency of the use of medical resources.
21. Ability to take measures to organize and integrate medical care and marketing of medical services.

**Competence matrix**

<b>№</b>	<b>Competence</b>	<b>Knowledge</b>	<b>Skills</b>	<b>Communication</b>	<b>Autonomy and responsibility</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>

**Integral competence**

The ability to solve typical and complex specialized tasks and practical problems in professional activities in the field of health care or in the process of training, which involves research and / or implementation of innovations and is characterized by complexity and uncertainty of conditions and requirements.

**General competencies**

1	Ability to abstract thinking analysis, and synthesis	Know the ways of analysis, synthesis and further modern teaching	Be able to analyze information, take informed solution, be able to acquire modern knowledge	Install the appropriate connections to achieve goals	Carry responsibility for the timely acquisition of modern knowledge
2	Ability to learn and master modern knowledge	Know modern industry development trends and analyze them	Be able to analyze professional information, accept reasonable solutions, to acquire modern knowledge	Install appropriate links to achieve goals	Carry responsibility for the timely acquisition of modern knowledge
3	Ability to apply knowledge in practical situations	Have specialized in conceptual knowledge, acquired in the learning process	Be able to solve complex tasks and problems that arise in the activity	Understandable and unambiguous conclusions, knowledge and explanations, that are substantiated to specialists and non-specialists	Be responsible for decision making in difficult conditions
4	Ability to plan and manage time	Know the principles of planning, know the requirements for the timing of a particular action	Be able to consistently perform your actions in accordance with the requirements for the deadlines of their implementation	Set appropriate links to achieve result	Be responsible for the appropriate procedure and timing of actions
5	Knowledge and Understanding the subject area and understanding the professional activity	Have knowledge of structure of professional activity	Be able to carry out professional activities that needs updating and integrating knowledge	Ability to effectively form communication strategy in professional activity	Bear responsibility for professional development, ability to further professional training with a high level of autonomy
6	Skills of the usage information and communication technologies	Have knowledge in the field of information and communication technologies that are applied in professional activity	Be able to use information and communication technologies in the professional field that needs updating and integration of knowledge	Use information and communication technologies in professional activity	Be responsible for the development of professional knowledge and skills

7	Ability to adapt and act in a new situation	Know the types and methods of adaptation, principles of action in a new situation	To be able to apply means of self-regulation, to be able to adapt to new situations (circumstances) of life and activity	Set appropriate links to achieve result	Be responsible for the timely use of self-regulation methods
8	Ability to make a reasonable decision	Know the tactics and strategies of communication, laws and methods of communication-positive behavior	Be able to make a reasonable decision, choose ways and strategies of communication for ensuring effective teamwork	Use communication strategies and interpersonal skills	Be responsible for the choice and tactics of the method communication that provides decision making
9	Ability to work in a team	Know the tactics and strategies of communication, laws and methods of communication behavior	Be able to choose ways and strategies of communication to provide effective teamwork	Use communication strategies	Carry responsibility for choice and tactics way of communication
10	Skills of interpersonal interaction	Know laws and methods of communicative behavior	Be able to choose ways and strategies of communication for interpersonal interaction	Use skills of interpersonal interaction	Carry responsibility for choice and tactics way of communication
11	Skills of interpersonal interaction	Know the responsibilities and ways to set the tasks	Be able to determine the purpose and objectives, be persistent and honest in carrying out own responsibilities	Establish interpersonal relationships to effectively perform task and responsibilities	Be responsible for the quality of the tasks
12	To have the desire to preserve the environment	Know the problems of environmental protection	Be able to form opportunities for themselves and others to preserve the environment	Make proposals to the relevant authorities and institutions on conservation and protection measures of surrounding environment	Be responsible for the implementation of preservation methods for the environment according to own competence
13	The ability to act on ethical considerations	Know the basics of ethics and deontology	Be able to apply ethical and deontological	Ability to convey to patients,	Be responsible for the implementation of ethical and

			norms and principles in the professional activity	family members, colleagues your professional position	deontological norms and principles in professional activities
14	The ability to communicate in the official language, both orally and in writing	Know the rules of writing and use the official language to communicate with patients	Be able to communicate in the official language with patients and colleagues	Use the official language for documentation, filling medical records	Be responsible for non-compliance with the law on the official language
15	Ability to communicate in a foreign language	Know foreign languages	Be able to use foreign languages to participate in conferences and study modern world medical literature	Use foreign languages for communicating with patients from other countries	Be responsible for learning foreign languages

**Special (professional, subject) competence**

1	To take a history of pregnant women, parturients, women in labor	Know the possible complaints and the sequence of collecting information about the course of pregnancy, delivery, postpartum period	Be able to consistently collect information from the patient's words	The ability to establish interpersonal connections	Be responsible for the implementation of ethical and deontological norms
2	Carrying out an objective examination of pregnant, parturient, women in labor	Know the physical examination of pregnant, parturient, women in labor	Be able to perform all regulated methods of examination in the appropriate sequence and	Ability to establish connection with the patient under objective	Carry responsibility for correctness holding and interpretation of received results on objective examination patients

			evaluate the results obtained	examination time	
3	Clinical objective assessment of pregnancy, childbirth, postpartum period	Have knowledge of the clinical course of pregnancy, childbirth, postpartum period	Be able to choose and to apply appropriate scale for the clinical course of pregnancy	Use information and communication technology on professional activities	Carry responsibility for interpretation of the results obtained when evaluating the clinical course of the disease
4	Make a plan of examination and evaluation of their results	Have specialized knowledge about methods of carrying out laboratory and instrumental researches	Be able to analyze the results of laboratory and instrumental research methods	The ability to convey to the patient and specialist conclusions on list and results of researches	Carry responsibility for timeliness carrying out relevant research and interpretation of received results
5	Differential diagnostics	Have knowledge of the clinical manifestations of the pathological course of pregnancy	Be able to make a differential diagnosis of obstetric and extragenital pathology	Reasonably form and convey to patients and specialists conclusions about results of differential diagnostics	Be responsibility for timely and proper diagnosis
6	Identify and	Have knowledge	Be able to detect	Use	Be responsible for the timely

	evaluate emergencies in obstetrics	of clinical manifestations and stages of development of acute conditions in obstetrics	and diagnose emergencies in obstetrics	communication strategies and interpersonal skills	identification and assessment of the emergencies of the patient
7	Prescription of an appropriate treatment for pregnant women, parturient	Have specialized knowledge of algorithms for the treatment of pathological conditions in obstetrics	Be able to choose the necessary set of therapeutic measures in accordance with the disease	Reasonably convey to the patient and specialists conclusions about the complexity of treatment. Be able to record prescriptions in medical records.	Be responsible for the timeliness and correctness of the patient's choice of treatment
8	Family planning counseling, choice of contraceptive methods	Have knowledge of contraceptive methods for certain categories of the population, WHO medical criteria for eligibility for contraception	Be able to examine the patient before usage a contraceptive, demonstrate ability to provide counseling on family planning	Reasonably convey to the patient recommendations on the choice of method of contraception, provide information about changes in the body during contraception	Be responsible for the results of examinations before using the contraceptive



9	<p>Medical manipulations</p> <p>(conduct examination of the mammary glands, speculum examination, bimanual examination,</p> <p>the bacteriolo</p> <p>gical and bacterioscopic examination, cytological examination, pelviometry, internal obstetric examination, auscultation of fetal heart beats, active management of the third stage of delivery)</p>	<p>Have knowledge of the systems of the human body; knowledge of execution algorithms of medical manipulations</p>	<p>Be able to perform medical procedures and manipulations according to algorithm</p>	<p>Reasoned formulate and convey to patients conclusions regarding necessity carrying out of medical procedures or manipulations</p>	<p>Carry responsibility for the quality of medical procedures manipulations</p>
10	<p>Carrying out blood transfusion</p>	<p>Have specialized knowledge of blood physiology, know algorithms of compatibility</p>	<p>Be able to conduct compatibility tests before transfusion of</p>	<p>Use strategies of communication and skills of</p>	<p>Carry responsibility for correctness of conducted compatibility tests before transfusion of blood and conducting the transfusion</p>

		tests during blood transfusion	blood drug. Be able to perform blood transfusion	interpersonal interaction. Filling appropriate medical documentation	itself
11	Apply measures with prevention occurrence and internal distribution of hospital infections	Have specialized knowledge of antiseptics, disinfection, organization of anti-epidemic measures	Be able to organize the appropriate sanitary-epidemiological regime in the departments of the maternity hospital	Be able to fill in appropriate medical documentation reporting on implementation of sanitary measures, epidemiological regime in the departments of the maternity hospital	Carry responsibility for compliance with sanitary rules of epidemiological regime
12	Ability to determine the required list of laboratory and instrumental studies and evaluate their results	Have specialized knowledge of interpretation of laboratory and instrumental research	Be able to organize the collection and perform laboratory and instrumental researches	Reasonably inform and convey to patients results of laboratory and instrumental research	Carry responsibility for the accuracy of laboratory and instrumental researches

13	Ability to make a preliminary and clinical diagnosis of the disease	Have the knowledge to make the correct diagnosis	Be able to make a diagnosis based on medical history, laboratory and instrumental studies	Reasonably inform and convey to patients and specialists conclusions regarding established diagnosis	Carry responsibility for the preliminary and clinical diagnosis
14	Ability to determine the required mode of work and rest in the treatment of diseases	Have the knowledge to prescribe the necessary mode of work and rest in various pathologies	Be able to prescribe the necessary mode of work and rest in the treatment of diseases	Reasonably inform and convey to patients necessity to prescribe a regime of work and rest in the treatment of the disease	Carry responsibility for the prescribed mode of work and rest in the treatment of the disease
15	Ability to determine the nature of nutrition in the treatment of diseases	Know how to prescribe the necessary nature of nutrition in the treatment of diseases	Be able to prescribe the necessary nature of nutrition in the treatment of diseases	Reasonable inform and convey to patients need to prescribe therapeutic nutrition in the treatment of the disease	Carry responsibility for prescription of food in the treatment of the disease
16	Ability to diagnose emergencies in gynecology	Have knowledge of clinical manifestations and stages of	Be able to detect and diagnose emergencies in gynecology	Use strategies of communication and skills of	Carry responsibility for timely detection and assessment of the patient's urgent condition

		development of acute conditions in gynecology		interpersonal interaction	
17	Ability to determine the tactics of management the persons who are the subject to dispensary supervision	Have the knowledge how to determine the management of patients who are the subject to dispensary supervision	Be able to choose the tactics of management of patients who are the subject to dispensary supervision	Reasonably formulate and convey to patients, relatives and specialists the need for treatment of patients who are the subject to dispensary supervision	Carry responsibility for timely prescription of treatment of persons who are the subject to dispensary supervision
18	Ability to keep medical records	Have the knowledge to fill in medical records	Be able to fill in medical records correctly	Be able fill in appropriate medical documentation	Be responsible for timely and truthful information
19	Ability to determine the tactics of management the persons who are the subject to dispensary supervision	Have the knowledge how to determine the management of patients who are the subject to dispensary supervision	Be able to choose the tactics of management of patients who are the subject to dispensary supervision	Reasonably formulate and convey to patients, relatives and specialists the need for treatment of patients	Carry responsibility for timely prescription of treatment of persons who are the subject to dispensary supervision

				who are the subject to dispensary supervision	
20	Ability to conduct epidemiological and medical-statistical studies of public health, processing of state, social, economic and medical information	Have the knowledge how to conduct epidemiological and medical-statistical studies of public health, processing of state, social, economic and medical information	Be able to choose the tactics of epidemiological and medical-statistical studies of public health, processing of state, social, economic and medical information	Be able to conduct epidemiological and medical-statistical studies of public health, processing of state, social, economic and medical information	Be responsible for conducting epidemiological and medical-studies of public health, processing of state, social, economic and medical information
21	Ability to conduct activities for the organization and integration of medical care and marketing of medical services	Have the knowledge how to carry out activities for the organization and integration of medical care and marketing of medical services	Be able to choose the tactics of measures for the organization and integration of medical care and marketing of medical services	Be able to take measures to organize and integrate medical care and marketing of medical services	To be responsible for the organization and integration of medical care and marketing of medical services

#### **4. Prerequisites of the course**

"Obstetrics and Gynecology" as a discipline is based on the knowledge gained by students in the study of medical biology, normal and pathological anatomy, topographic anatomy, normal and pathological physiology of the female reproductive system, histology and embryology, microbiology, pharmacology, clinical genetics and internal genetics diseases, surgical diseases, hygiene, social medicine, organization and economics of health care and integrates with these disciplines.

#### **5. Learning outcomes of studying**

1. Collect anamnesis of the disease, life anamnesis, conduct and evaluate the results of physical examination.
2. Evaluate information about the diagnosis using a standard procedure based on the results of laboratory and instrumental studies.

3. Highlight the leading clinical symptom or syndrome. Establish the most likely or syndrome diagnosis of the disease. Prescribe laboratory and / or instrumental examination of the patient. Carry out differential diagnosis of diseases. Establish a preliminary and clinical diagnosis.
4. Determine the necessary mode of work and rest in the treatment of the disease.
5. Determine the necessary therapeutic nutrition in the treatment of the disease.
6. Determine the principles and nature of treatment (conservative, operative) disease.
7. Determine the tactics of emergency medical care on the basis of a diagnosis of an emergency.
8. Provide emergency medical care on the basis of a diagnosis of an emergency.
9. Determine the tactics of physiological pregnancy conduction, obstetric tactics in physiological delivery and the postpartum period conduction.
10. Perform medical manipulations.
11. Prepare an annual report on personal production activities; to keep medical documentation on the patient and the population contingent.
12. Conduct screening to identify the most important non-communicable diseases; assess morbidity rates, integrated health indicators; identify risk factors for the occurrence and course of diseases; to form risk groups of the population. Determine the source and/or location of the necessary information depending on its type; receive the necessary information from a certain source; process and analyze the received information.
13. Investigate the scope and effectiveness of the activities of the doctor, unit, health care institution; identify defects in the activities and the reasons for their formation. Carry out the selection and use unified clinical protocols for the provision of medical care, developed on the basis of evidence-based medicine; develop and use local protocols for the provision of medical care.
14. Organize the work of medical personnel; form rational medical routes of patients; organize interactions with colleagues, organizations and institutions; to apply tools for promoting medical services.
15. Form goals and mark the structure of personal activity.
16. Follow a healthy lifestyle, use the techniques of self-regulation and self-control.
17. Be aware of and guided in their activities by civil rights, freedoms and responsibilities, to raise the general educational and cultural level. Comply with the requirements of ethics, bioethics and deontology in their professional activities.
18. Comply with the requirements of ethics, bioethics and deontology in their professional activities.
19. Organize the necessary level of individual safety (own and persons who care for) in case of typical dangerous situations in the individual field of activity.
20. Carry out quality control of medical care; identify factors that hinder the improvement of the quality and safety of medical care. Estimate the cost of medical services; substantiate the choice of an adequate method of financing (payment) and the choice of rational forms of organization of medical services. Apply methods of economic analysis when choosing methods of diagnosis, prevention, treatment, rehabilitation.
21. Form among the assigned contingent of the population dispensary groups of patients; groups of healthy people subject who are the subject to dispensary supervision. Implement a system of anti-epidemic and preventive measures in the framework of primary health care to the population. Organize secondary and tertiary prevention activities among the assigned contingent of the population.
22. Plan measures to prevent the spread of infectious diseases. Carry out detection and early diagnosis of infectious diseases; primary anti-epidemic measures in the center of an infectious disease. Identify risk groups, risk areas, time of risk, risk factors and carry out epidemiological analysis of infectious diseases in the population.
23. To determine the tactics of examination and secondary prevention of patients who are the subject to dispensary supervision; tactics of examination and primary prevention of healthy persons who are the subject to dispensary supervision; calculate and prescribe the necessary food for children in the first year of life.
24. Determine the presence and degree of restrictions on life, type, degree and duration of disability with the execution of relevant documents.
25. Organize the necessary level of individual safety (own and persons cared for) in case of typical

dangerous situations in the individual field of activity.

**List of learning outcomes**

<b>Learning outcome code</b>	<b>The content of the learning outcome</b>	<b>Reference to the competency matrix code</b>
<i>The code is created when filling 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 the set learning goals. To enroll in the discipline, it is necessary to confirm the achievement of each learning outcome.</i>	<i>Symbol of the Program Outcome (PR) code in the Higher Education Standard</i>
Zn -1	Have knowledge of the physiology and anatomy of the female body.	PRN-1 PRN-17
UM-1	Be able to conduct and evaluate the results of examination of gynecological patients.	
K-1	Ability to communicate with the patient during the examination.	
AB-1	Be responsible for the implementation of ethical and deontological norms.	
Zn -2	Know the clinical manifestations of amenorrhea and abnormal uterine bleeding and the causes of their occurrence.	PRN-2 PRN-3 PRN-4 PRN-5
UM-2	Вміти встановити правильно діагноз та провести дифдіагностику.	
K-2	Assess the urgency of uterine bleeding.	
AB-2	Be responsible for the timely diagnosis and treatment of urgent uterine bleeding.	
Zn -3	Know the classification of benign and malignant tumors. Their diagnosis and differentiation.	PRN-3 PRN-12 PRN-2 PRN-4 PRN-20
UM-3	Be able to diagnose tumors of the female genital organs.	
K-3	To determine the basic principles of treatment of patients with tumors of the female genital organs.	
AB-3	Be responsible for the timely diagnosis and treatment of female genital tumors.	
Zn-4	Know the manifestations of "acute abdomen" in women and the classification of inflammatory diseases and emergencies in gynecology.	PRN -3 PRN-2 PRN-6 PRN-5 PRN-11
UM-4	Be able to detect the symptoms of "acute abdomen" and confirm by other tests.	
K-4	Be able to conduct differential diagnosis with other diseases	
AB-4	Be responsible for the timely detection of symptoms of "acute abdomen".	
Zn-5	Know the causes of infertile marriage and the classification of female and male infertility, as well as methods of contraception.	PRN-6 PRN-18 PRN-1 PRN-14 PRN-16 PRN-21
UM-5	Be able to diagnose female infertility and its origin (endocrine, inflammatory, developmental abnormalities, etc.). Be able to prescribe and use contraception.	
K-5	Maintain ethics and deontology when diagnosing infertility and when using contraceptives.	
AB-5	Be responsible for the correct diagnosis of "infertility", methods of treatment	
AB-5	Take personal responsibility for the correct and timely	

	appointment of treatment.	
<i>Zn -6</i>	Know the classification, methods of diagnosis and management of births with narrow pelvis.	<i>PRN-1</i> <i>PRN-10</i>
<i>UM-6</i>	Be able to measure the external and internal dimensions of the pelvis, to recognize complications that may occur in childbirth, with narrow pelvises.	<i>PRN-23</i> <i>PRN-9</i> <i>PRN-11</i>
<i>K-6</i>	Ability to communicate with the patient during the examination.	
<i>AB-6</i>	Carry out professional activities in compliance with ethical norms.	
<i>Zn -7</i>	Know the classification of birth defects and treatment methods.	<i>PRN-7</i> <i>PRN-8</i>
<i>UM-7</i>	Be able to detect clinical signs of birth defects.	<i>PRN-10</i>
<i>K-7</i>	Choose the right treatment tactics.	<i>PRN-11</i>
<i>AB-7</i>	Be responsible for deciding on the results of the examination of the pregnant woman.	
<i>Zn-8</i>	Know the causes, diagnosis, treatment and prevention of obstetric bleeding in the second half of pregnancy. Know the principles of intensive care for bleeding.	<i>PRN-7</i> <i>PRN-14</i> <i>PRN-18</i>
<i>UM-8</i>	Be able to diagnose the pathology of the third period of childbirth, central placenta previa, detachment of the normally located placenta,	<i>PRN-4</i>
<i>K-8</i>	To form and inform the patient or her relatives about the necessary surgical treatment of the detected pathology.	
<i>AB-8</i>	Be responsible for the decision regarding surgical treatment.	
<i>Zn -9</i>	Know the indications, contraindications and conditions for obstetric surgery.	<i>PRN-10</i> <i>PRN-3</i>
<i>UM-9</i>	Be able to perform obstetric forceps on the phantom, perform a perineotomy, know the sequence of actions during caesarean section.	<i>PRN-6</i>
<i>K-9</i>	Be able to choose the best surgical method of childbirth.	
<i>AB-9</i>	Be responsible for the timely and correct delivery of the pregnant woman.	
<i>Zn-10</i>	Know the classification of postpartum septic diseases, clinical manifestations, treatment and prevention.	<i>PRN-19,22,23,12,13,15,21,18</i>
<i>UM-10</i>	Be able to detect signs of postpartum septic diseases.	<i>,11</i>
<i>K-10</i>	Identify the basic principles of treatment of women in labor, according to their diagnosis.	
<i>AB-10</i>	Take personal responsibility for the correctness of the history and the chosen method of treatment.	

### 6. Course format and length

Course format(specify full-time or part-time)	In-person	
<b>Kind of occupations</b>	<b>Number of hours</b>	<b>Number of groups</b>
lectures	-	
practical seminars	78	
independent work	72	

### 7. Topics and content of the course

<b>Class code</b>	<b>Theme</b>	<b>Learning content</b>	<b>Learning outcome code</b>	<b>Teacher</b>
	Menstrual function disorders in reproductive age,	1. Checking the assimilation of material (tests). 2. Solving of situational tasks.	Zn-1,UM-1, K-1,AB-1	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S.,



P-1 ( <i>practical training 1</i> )	neuroendocrine syndromes. Dysfunctional uterine bleeding. Amenorrhea. Physiological and pathological conditions in the perimenopausal period. COVID-19: diagnostics, tactics, prevention, effects on a woman's reproductive health.	3. Processing of practical skills in conditions that are close to real. 4. Clarification of problematic issues summarizing the lesson.		Segediy L.I.
P-2	Female urogenital inflammatory diseases.	1. Checking the assimilation of material (tests). 2. Solving of situational tasks. 3. Processing of practical skills in conditions that are close to real. 4. Clarification of problematic issues summarizing the lesson.	Zn-1,UM-1, K-1,AB-1	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-3	Benign neoplasms of the genital organs of a woman. Dyshormonal diseases of the mammary gland. Endometriosis.	1. Checking the assimilation of material (tests). 2. Solving of situational tasks. 3. Processing of practical skills in conditions that are close to real. 4. Clarification of problematic issues summarizing the lesson.	Zn-1, UM-1, K-1, AB-1	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-4	Background and precancerous diseases of the genital organs of a woman. Malignant neoplasms.	1. Checking the assimilation of material (tests). 2. Solving of situational tasks. 3. Processing of practical skills in conditions that are close to real. 4. Clarification of problematic issues summarizing the lesson.	Zn-3, UM-3, K-3, AB-3	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-5	Emergency conditions in gynecology. Surgery in gynecology. Preparation and postoperative management of gynecological patients during urgent and planned surgery.	1. Checking the assimilation of material (tests). 2. Solving of situational tasks. 3. Processing of practical skills in conditions that are close to real. 4. Clarification of problematic issues summarizing the lesson.	Zn-5, UM-5, K-5, AB-5	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-6	Modern aspects of family planning. Contraceptive methods. Medical criteria for the eligibility of WHO contraceptive methods. Infertility.	1. Checking the assimilation of material (tests). 2. Solving of situational tasks. 3. Processing of practical skills in conditions that are close to real. 4. Clarification of problematic issues summarizing the lesson.	Zn-5, UM-5, K-5, AB-5	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-7	Practice practical skills in the simulation center.	1. Processing of practical skills in conditions that are close to real. 2. Clarification of problematic issues summarizing the lesson.	Zn-1, UM-1, K-1, AB-1	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.

P-8	Physiological pregnancy, childbirth and postpartum period. Perinatal protection of the fetus. Pharmacotherapy in obstetrics.	<ol style="list-style-type: none"> <li>1. Checking the assimilation of material (tests).</li> <li>2. Solving of situational tasks.</li> <li>3. Processing of practical skills in conditions that are close to real.</li> <li>4. Clarification of problematic issues summarizing the lesson.</li> </ol>	Zn-5,UM-5, K-5, AB-5	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-9	Early gestosis. Hypertensive disorders during pregnancy. Preeclampsia. Eclampsia.	<ol style="list-style-type: none"> <li>1. Checking the assimilation of material (tests).</li> <li>2. Solving of situational tasks.</li> <li>3. Processing of practical skills in conditions that are close to real.</li> <li>4. Clarification of problematic issues summarizing the lesson.</li> </ol>	Zn-1, UM-1, K-1, AB-1	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-10	Miscarriage. Post-term pregnancy. Multiple pregnancy . Placental dysfunction, fetal growth restriction, fetal distress. Immunological incompatibility of the blood of the mother and fetus.	<ol style="list-style-type: none"> <li>1. Checking the assimilation of material (tests).</li> <li>2. Solving of situational tasks.</li> <li>3. Processing of practical skills in conditions that are close to real.</li> <li>4. Clarification of problematic issues summarizing the lesson.</li> </ol>	Zn-1, UM-1, K-1, AB-1	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-11	Bony pelvis anomalies. Macrosomia problems in modern obstetrics. The inconsistency of the fetal head and pelvis of the mother. Narrow pelvis. Incorrect positions and pelvic fetal presentation.	<ol style="list-style-type: none"> <li>1. Checking the assimilation of material (tests).</li> <li>2. Solving of situational tasks.</li> <li>3. Processing of practical skills in conditions that are close to real.</li> <li>4. Clarification of problematic issues summarizing the lesson.</li> </ol>	Zn-6, UM-6, K-6, AB-6	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-12	Bleeding during pregnancy, in delivery and postpartum. Hemorrhagic shock. DIC syndrome.	<ol style="list-style-type: none"> <li>1. Checking the assimilation of material (tests).</li> <li>2. Solving of situational tasks.</li> <li>3. Processing of practical skills in conditions that are close to real.</li> <li>4. Clarification of problematic issues summarizing the lesson.</li> </ol>	Zn-8, UM-8, K-8, AB-8	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-13	Uterine activity anomalies. Maternity traumatism of the mother and fetus. Modern approaches to the diagnosis and treatment of maternity injuries of the mother and fetus. Surgery in obstetrics. Postpartum septic diseases. Perinatal infections. Pregnancy and childbirth in extragenital	<ol style="list-style-type: none"> <li>1. Checking the assimilation of material (tests).</li> <li>2. Solving of situational tasks.</li> <li>3. Processing of practical skills in conditions that are close to real.</li> <li>4. Clarification of problematic issues summarizing the lesson.</li> </ol>	Zn-7, UM-7, K-7, AB-7	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.

	diseases. Prevention of vertical transmission of HIV. COVID-19 diagnostics, pregnancy tactics, prevention.			
<b>Independent work</b>				
SIW -1( <i>self independent work 1</i> )	Anatomy of female genital organs. Tests of functional diagnostics.	Preparation for practical classes and study of topics that are considered only in terms of independent work, curation of pregnant women and writing the medical history, search and study of additional literature, creating the algorithms, structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.	Zn-1,UM-1, K-1,AB-1	Shatylovykh K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
SIW -2	Vaginal microecosystem at different periods of life. Specific and nonspecific inflammatory diseases of the female genital organs: diagnostic algorithms.	Preparation for practical classes and study of topics that are considered only in terms of independent work, curation of pregnant women and writing the medical history, search and study of additional literature, creating the algorithms, structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.	Zn-1,UM-1, K-1,AB-1	Shatylovykh K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
SIW -3	Self-examination of the mammary glands. Extragenital endometriosis. Methods of treatment of benign tumors of the uterus.	Preparation for practical classes and study of topics that are considered only in terms of independent work, curation of pregnant women and writing the medical history, search and study of additional literature, creating the algorithms, structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.	Zn-1, UM-1, K-1, AB-1	Shatylovykh K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
SIW -4	Risk factors for malignant neoplasms.	Preparation for practical classes and study of topics that are considered only in terms of independent work, curation of pregnant women and writing the medical history, search and study of additional literature, creating the algorithms, structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.	Zn-3,UM-3, K-3, AB-3	Shatylovykh K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.

SIW -5	Differential diagnosis of "acute abdomen".	Preparation for practical classes and study of topics that are considered only in terms of independent work, curation of pregnant women and writing the medical history, search and study of additional literature, creating the algorithms, structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.	Zn-4,UM-4, K-4,AB-4	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
SIW -6	Contraception in adolescents, at reproductive age, postabortion and emergency.	Preparation for practical classes and study of topics that are considered only in terms of independent work, curation of pregnant women and writing the medical history, search and study of additional literature, creating the algorithms, structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.	Zn-5,UM-5, K-5,AB-5	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
SIW -7	Female pelvis, planes, size. External examination of the pregnant patient. Pharmacotherapy during pregnancy and lactation. Teratogenic effect of the drug. Partograph.	Preparation for practical classes and study of topics that are considered only in terms of independent work, curation of pregnant women and writing the medical history, search and study of additional literature, creating the algorithms, structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.	Zn-1,UM-1, K-1, AB-1	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
SIW -8	Treatment of early gestosis. Diagnostic criteria and algorithm of actions in severe preeclampsia. Emergency care for eclampsia.	Preparation for practical classes and study of topics that are considered only in terms of independent work, curation of pregnant women and writing the medical history, search and study of additional literature, creating the algorithms, structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.	Zn-1, UM-1, K-1, AB-1	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
SIW -9	Clinical stages of spontaneous abortion. Tocolytic drugs, indications, against indications. Assessment of CTG and BPP.	Preparation for practical classes and study of topics that are considered only in terms of independent work, curation of pregnant women and writing the medical history, search and study of additional literature,	Zn-1, UM-1, K-1, AB-1	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.

		creating the algorithms, structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.		
SIW -10	Varieties of narrow pelvis, biomechanism of childbirth with different variants of presentations and inserting the head.	Preparation for practical classes and study of topics that are considered only in terms of independent work, curation of pregnant women and writing the medical history, search and study of additional literature, creating the algorithms, structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.	Zn-6, UM-6, K-6, AB-6	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segedy L.I.
SIW -11	Determination of permissible "physiological" blood loss in childbirth. Methods of estimation of blood loss. Uterotonics (prescriptions). Volume and composition of infusion-transfusion therapy, depending on the degree of hemorrhagic shock.	Preparation for practical classes and study of topics that are considered only in terms of independent work, curation of pregnant women and writing the medical history, search and study of additional literature, creating the algorithms, structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.	Zn-8, UM-8, K-8, AB-8	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segedy L.I.
SIW -12	Caesarean section, technique of execution. Conditions, indications, categories of urgency. Extragenital septic postpartum diseases.	Preparation for practical classes and study of topics that are considered only in terms of independent work, curation of pregnant women and writing the medical history, search and study of additional literature, creating the algorithms, structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.	Zn-1-10, UM-1-10, K-1-10, AB-1-10.	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segedy L.I.
SIW -13	Degree of obstetric risk in extragenital pathology. Appendicitis and pregnancy. Acute pancreatitis and pregnancy. Laparoscopic intervention during pregnancy. General principles of providing surgical care to pregnant women.	Preparation for practical classes and study of topics that are considered only in terms of independent work, curation of pregnant women and writing the medical history, search and study of additional literature, creating the algorithms, structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.	Zn-1-10, UM-1-10, K-1-10, AB-1-10.	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segedy L.I.
<b>The system of organization of classes, the use of interactive methods</b>				

*Traditional teaching methods are used: verbal, visual, practical; as well as methods of educational and cognitive activity: explanatory and illustrative, reproductive, method of setting a problem, partial search, research method.*

*Methods of control are teacher control, self-control, mutual control. Multimedia presentation are used for transfer and assimilation of knowledge during lectures. To transfer and assimilate knowledge, skills and abilities in practical classes, textbooks, methodical recommendations on the topic of the lesson, methodical materials, models, demonstration of windows, tools for practicing practical skills, situational tasks are used. Educational movies are shown during each lesson. Independent work of students involves preparation for practical classes and elaboration of individual topics that are part of practical classes or submitted for independent study. For this purpose textbooks, methodical recommendations, etc. are developed. All necessary materials (abstracts and presentations of lectures, methodical developments, normative documents) are presented on the information platform of Danylo Halytskyi LNMU (MISA).*

## 8. Verification of learning outcomes

### Current control

**Current control** is carried out at each practical lesson in accordance with specific goals on each topic. Evaluation of current academic **activity**: During the assessment of the assimilation of each topic for the current activity of the student are assessed on a 4-point (traditional) scale, taking into account the approved evaluation criteria for the relevant discipline. Students' knowledge is evaluated both in theoretical and practical training according to the following criteria: Does not know the material of the current topic, can not build a logical answer, does not answer additional questions, does not understand the content of the material. The form of the final control of the success of training - credit.

Learning outcome code	Class code	Method of verifying learning outcomes	Passing criteria
<i>ZN-1-ZN-10, UM-1-UM-10, K-1-K-10, AB-1-AB-10</i>	<i>P-1-13, SIW-1-13.</i>	Oral and written interviews, solving of tests (to control the initial and final level of knowledge), typical situational tasks, training of relevant practical and professional skills.	<p><b>("5")</b> – The student correctly answered 90-100% of A-format tests. Correctly, clearly logically and fully answers all standardized questions of the current topic, including the issues of lecture course and independent work.</p> <p><b>Good ("4")</b> - The student correctly answered 70-89% of tests format A. Correctly and essentially answers standardized questions of the current topic, lecture course and independent work. <b>Satisfactory ("3")</b> – The student correctly answered 50-69% of tests format A. Incompletely, with the help of additional questions, answers standardized questions of current activity, lecture course and independent work. <b>Unsatisfactory ("2")</b> - The student correctly answered less than 50% of the tests format A.</p>

### Final control

Type of final control	Methods of final control	Passing criteria
Credit	All topics submitted for current control must be included. Grades from the 4-point scale are converted into points on a multi-point (200-point) scale in accordance with the Regulation "Criteria, rules and procedures for evaluating the results of students' learning activities".	<i>The maximum number of points is 200. The minimum number of points is 120.</i>

## 9. Course policy

The training course in the discipline of Obstetrics and Gynecology is based on the principles of science, self-development, humanism, democracy, continuity, personal and collective responsibility, collegiality and publicity of discussion of issues within its competence.

Academic integrity of students in the study of the discipline is ensured by: independent performance of tasks of current control, independent work without the use of external sources of information, except those allowed for use, in particular during the evaluation of learning outcomes; personal presence at all lectures and practical classes, except in cases caused by good reasons.

Pedagogical staff ensures the academic integrity by providing quality educational services using innovative approaches in the field of education in practice; 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 master's learning outcomes; control over the observance of academic integrity by masters; informing masters about typical violations of academic integrity and types of liability for its violations.

## 10. Recommended references

### Basic

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### **11. Additional information**

There is a student research group at the Department of Obstetrics and Gynecology. Head of the group is PhD, Associate Professor, Besedin O.V. [obesedyn,Besedin,Oleksandr,besedyn@gmail.com](mailto:obesedyn,Besedin,Oleksandr,besedyn@gmail.com)

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