



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

<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>	2022-2023
<b>Name of discipline, code</b> ( <i>e-mail address on the website of LNMU named after Danylo Halytsky</i> )	Obstetrics and Gynecology ББ (WB)-3.1 new.meduniv.lviv.ua/kafedry/kafedra-akusherstva-i-ginekologiyi/
<b>Department</b> ( <i>name, address, phone, e-mail</i> )	Department of Obstetrics and Gynecology 79008 Lviv, Rapoport str., 8 E-mail: Kaf_obstetrics@meduniv.lviv.ua
<b>Head of the Department</b> ( <i>contact e-mail</i> )	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> ( <i>the year when the discipline is taught</i> )	6
<b>Semester</b> ( <i>semester in which the study of the discipline is implemented</i> )	11,12
<b>Type of discipline / module</b> ( <i>mandatory / selective</i> )	Selective
<b>Teachers</b> ( <i>names, surnames, scientific degrees and titles of teachers who teach the discipline, contact e-mail</i> )	lmarkin,Markin,Leonid,shatik2@ukr.net, kshatylovyh,Shatylovyh,Kateryna,shatik2@ukr.net hsemenyina,Semenyina,Halyna,yaroslavbuchko@gmail.com opaienok,Pajenok,Oleksandr,a.payenok@gmail.com oshakhova,Shakhova,Olena,oshakhova69@gmail.com hkynunets,Kunynec,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 yes / no</b> ( <i>availability of the discipline for students within the Erasmus program Erasmus+</i> )	-
<b>Person responsible for syllabus</b> ( <i>person to be provided with comments on silabus, e-mail contact</i> )	Yashchenko Larysa, deputy head jaschenkoll@gmail.com
<b>Number of credits ECTS</b>	4 credits

Number of hours ( <i>lectures / practical classes / independent work of students</i> )	120 hours (lectures-0, practical classes-60, independent work of students-66)
Study language	Ukrainian, 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 Lviv Regional Hospital, Nekrasova 4 79000, tel.+380(32)236-82-11
<b>2. Description of the subject of discipline.</b>	
<p>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.</p>	
<b>3. The purpose and objectives of the discipline</b>	
<p><b>1. The purpose</b> 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.</p> <p><b>2. The main tasks</b> 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.</p>	
<p><b>3. Competences and learning outcomes</b> <b>Integral:</b> Ability to solve complex problems, including research and innovation in medicine, the ability to continue learning with a high degree of autonomy</p> <p style="text-align: center;"><b>General:</b></p> <ol style="list-style-type: none"> <li>1 Ability to abstract thinking, analysis and synthesis</li> <li>2 Ability to learn and master modern knowledge.</li> <li>3 Ability to apply knowledge in practical situations.</li> <li>4 Knowledge and understanding of the subject area and understanding of professional activity.</li> <li>5 Ability to adapt and act in a new situation.</li> <li>6 Ability to make informed decisions.</li> <li>7 Ability to work in a team.</li> <li>8 Ability to interpersonal interaction.</li> <li>9 Ability to communicate in a foreign language.</li> <li>10 Ability to use information and communication technologies.</li> <li>11 Ability to search, process and analyze information from various sources.</li> <li>12 Definiteness and perseverance in terms of tasks and responsibilities.</li> <li>13 Awareness of equal opportunities and gender issues.</li> </ol>	

14 The ability to exercise own rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human rights and freedoms and the citizen of Ukraine.

15 Ability to preserve and increase moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, techniques and technologies. active recreation and leading a healthy lifestyle.

**- special (professional, subject):**

1 Ability to collect medical information about the patient and analyze clinical data.

2 Ability to determine the required list of laboratory and instrumental studies and evaluate their results.

3 Ability to establish 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 and prevention of diseases

6 Ability to determine the principles and nature of treatment and prevention of diseases.

7 Ability to diagnose emergencies.

8 Ability to determine the tactics of emergency medical care.

9 Ability to carry out medical and evacuation measures.

10 Ability to perform medical manipulations.

11 Ability to solve medical problems in new or unfamiliar environments with incomplete or limited information, taking into account aspects of social and ethical responsibility.

12 Ability to determine the tactics of physiological pregnancy, physiological childbirth and the postpartum period. Family planning and contraceptive counseling skills.

13 Ability to carry out sanitary and hygienic and preventive measures.

14 Ability to conduct a performance examination.

15 Ability to keep medical records, including electronic forms.

16 Ability to assess the impact of the environment, socio-economic and biological determinants on the health of the individual, family, population.

17 Ability to analyze the activities of a doctor, department, health care facility, ensure the quality of medical care and improve the efficiency of medical resources.

18 Ability to analyze the activities of a doctor, department, health care facility, ensure the quality of medical care and improve the efficiency of medical resources.

19 Ability to analyze the activities of a doctor, department, health care facility, ensure the quality of medical care and improve the efficiency of medical resources.

20 Adherence to ethical principles when working with patients, laboratory animals.

21 Adherence to professional and academic integrity, be responsible for the accuracy of scientific results.

**Competence matrix**

<b>№</b>	<b>Competence</b>	<b>Knowledge</b>	<b>Skills</b>	<b>Communication</b>	<b>Autonomy and</b>
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					<b>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	Set appropriate links to achieve result	Be responsible for the appropriate procedure and timing of actions

			implementation		
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 skill
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	Establish interpersonal relationships to effectively perform task	Be responsible for the quality of the tasks

			honest in carrying out own responsibilities	and responsibilities	
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 norms and principles in the professional activity	Ability to convey to patients, family members, colleagues your professional position	Be responsible for the implementation of ethical and 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,	Know the possible complaints and the sequence of	Be able to consistently collect information	The ability to establish interpersonal connections	Be responsible for the implementation of ethical and deontological norms
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	parturients, women in labor	collecting information about the course of pregnancy, delivery, postpartum period	from the patient's words		
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 evaluate the results obtained	Ability to establish connection with the patient under objective examination in time	Carry responsibility for correctness holding and interpretation of received results on objective examination patients
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 evaluate emergencies in obstetrics	Have knowledge of clinical manifestations and stages of development of acute conditions in obstetrics	Be able to detect and diagnose emergencies in obstetrics	Use communication strategies and interpersonal skills	Be responsible for the timely 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	Have knowledge of contraceptive methods for certain categories of the population,	Be able to examine the patient before usage a contraceptive, demonstrate	Reasonably convey to the patient recommendat	Be responsible for the results of examinations before using the contraceptive



	contraceptive methods	WHO medical criteria for eligibility for contraception	ability to provide counseling on family planning	<p>ions on the choice of method of contraception</p> <p>provide information about changes in the body during contraception</p>	
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,</p>	Have knowledge of the systems of the human body; knowledge of execution algorithms of medical manipulations	Be able to perform medical procedures and manipulations according to algorithm	Reasoned formulate and convey to patients conclusions regarding necessity carrying out of medical procedures or manipulations	Carry responsibility for the quality of medical procedures manipulations

	auscultation of fetal heart beats, active management of the third stage of delivery)				
10	Carrying out blood transfusion	Have specialized knowledge of blood physiology, know algorithms of compatibility tests during blood transfusion	Be able to conduct compatibility tests before transfusion of blood drug. Be able to perform blood transfusion	Use strategies of communication and skills of interpersonal interaction. Filling appropriate medical documentation	Carry responsibility for correctness of conducted compatibility tests before transfusion of blood and conducting the transfusion 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 development of acute conditions in gynecology	Be able to detect and diagnose emergencies in gynecology	Use strategies of communication and skills of interpersonal interaction	Carry responsibility for timely detection and assessment of the patient's urgent condition
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	Have the	Be able to fill in	Be able	Be responsible for timely

	medical records	knowledge to fill in medical records	medical records correctly	fill in appropriate medical documentation	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 who are the subject to dispensary supervision	Carry responsibility for timely prescription of treatment of persons 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	Have the	Be able to	Be able to	To be responsible for the

	conduct activities for the organization and integration of medical care and marketing of medical services	knowledge how to carry out activities for the organization and integration of medical care and marketing of medical services	choose the tactics of measures for the organization and integration of medical care and marketing of medical services	take measures to organize and integrate medical care and marketing of medical services	organization and integration of medical care and marketing of medical services
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#### **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 Have a thorough knowledge of the structure of professional activity. Be able to carry out professional activities that require updating and integration of knowledge. Be responsible for professional development, the ability to further professional training with a high level of autonomy.
- 2 Understanding and knowledge of basic and clinical biomedical sciences, at a level sufficient to solve professional problems in the field of health care.
- 3 Specialized conceptual knowledge, which includes scientific achievements in the field of health care and is the basis for research, critical understanding of problems in the field of medicine and related interdisciplinary problems.
- 4 Identify and identify the leading clinical symptoms or syndromes (according to list 1), according to standard methods, using preliminary history of the patient, examination data, knowledge about the person, his organs and systems. Establish a preliminary clinical diagnosis of the disease (according to list 2).
- 5 Collect complaints, anamnesis of life and disease, assess the psychomotor and physical development of the patient, the condition of organs in body systems, based on the results of laboratory and instrumental studies to assess information about the diagnosis (list 4). Taking into account the patient's age.
- 6 Evaluate information about the diagnosis using a standard procedure based on the results of laboratory and instrumental studies.
- 7 Establish a final clinical diagnosis by making an informed decision and analysis of the obtained subjective and objective data of clinical, additional examination, differential diagnosis, adhering to the relevant ethical and legal norms, under the supervision of a physician-manager in a health care facility (list 2).
- 8 Prescribe and analyze additional (mandatory and optional) methods of examination (laboratory, functional and/or instrumental) (according to list 4) of patients with diseases of organs and systems of the body for differential diagnosis of diseases (according to list 2). Carry out differential diagnosis of diseases. Establish a preliminary and clinical diagnosis.
- 9 Determine the main clinical syndrome or the severity of the victim's condition (according to list 3) by making an informed decision and assessing the person's condition under any circumstances (in a health

care facility, outside it), including in conditions of emergency and hostilities, in the field, in conditions of lack of information and limited time.

10 Determine the nature and principles of treatment of patients (conservative, operative) with diseases (according to list 2), taking into account the age of the patient, in a health care facility, outside it and at the stages of medical evacuation, including in the field, on the basis of a preliminary clinical diagnosis, adhering to the relevant ethical and legal norms, by making an informed decision on existing algorithms and standard schemes, if necessary to expand the standard scheme to be able to justify personalized recommendations under the supervision of a physician.

11 Determine the necessary mode of work, rest and nutrition on the basis of the final clinical diagnosis, adhering to the relevant ethical and legal norms, by making an informed decision according to existing algorithms and standard schemes.

12 Determine the approach, plan and tactics of physiological pregnancy, physiological childbirth and the postpartum period by making an informed decision according to existing algorithms and standard schemes.

13 Assess the general condition of the newborn child by making an informed decision according to existing algorithms and standard schemes, adhering to the relevant ethical and legal norms. 14 Assess and monitor the child's development, provide recommendations for breastfeeding and nutrition depending on age, organize preventive vaccinations on the calendar.

15 Identify tactics and provide emergency medical care in emergencies (according to list 3) for a limited time in accordance with existing clinical protocols and treatment standards.

16 Organize the provision of medical care and medical and evacuation measures to the population and servicemen in emergencies and hostilities, including in the field.

17 To form rational medical routes of patients; to organize interaction with colleagues in the and other establishments, the organizations and establishments; to apply tools for the promotion of medical services on the market, based on the analysis of the needs of the population, in the conditions of functioning of the health care institution, its subdivision, in a competitive environment.

18 Perform medical manipulations (according to list 5) in a medical institution, at home or at work on the basis of a previous clinical diagnosis and / or indicators of the patient's condition by making an informed decision, adhering to the relevant ethical and legal norms.

19 Determine the state of functioning and limitations of a person's life and duration of incapacity for work with the relevant documents, in a health care facility on the basis of data on the disease and its course, features of professional activity, etc. Maintain medical records of the patient and the population on the basis of regulations.

20 Analyze the epidemiological situation and carry out measures of mass and individual, general and local prevention of infectious diseases.

21 Search for the necessary information in the professional literature and databases of other sources, analyze, evaluate and apply this information.

22 Apply modern digital technologies, specialized software, statistical methods of data analysis to solve complex health problems.

23 Assess the impact of the environment on human health to assess the incidence of the population.

24 Organize the necessary level of individual safety (own and those cared for) in case of typical dangerous situations in the individual field of activity.

25 Clearly and unambiguously communicate their knowledge, conclusions and arguments on health issues and related issues to professionals and non-specialists.

26 Communicate fluently in the state and English languages, both orally and in writing, to discuss professional activities, research and projects.

27 Plan, organize and conduct activities for the specific prevention of infectious diseases, including in

accordance with the National Calendar of preventive vaccinations, both mandatory and recommended. Manage vaccine residues, organize additional vaccination campaigns, including immunoprophylaxis measures.

### List of learning outcomes

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



<i>AB-5</i>	Be responsible for the correct diagnosis of "infertility", methods of treatment	
<i>AB-5</i>	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	60	
independent work	60	

### 7. Topics and content of the course

Class code	Theme	Learning content	Learning outcome code	Teacher
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P-1 ( <i>practical training 1</i> )	Menstrual function disorders in reproductive age, neuroendocrine syndromes. Physiological and pathological conditions in the perimenopausal period. COVID-19: diagnostics, tactics, prevention, effects on a woman's reproductive health.	<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	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-2	Benign neoplasms of the genital organs of a woman. Background and malignant tumors of the genital organs of woman. Dyshormonal diseases of the mammary gland. Endometriosis.	<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	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-3	Female urogenital inflammatory diseases. Modern aspects of family planning. Contraceptive methods. Medical criteria for the eligibility of WHO contraceptive methods. Infertility.	<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 Zn-5, UM-5, K-5, AB-5	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-4	Emergency conditions in gynecology. Surgery in gynecology. Preparation and postoperative management of gynecological patients during urgent and planned surgery. HIV prevention.	<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	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-5	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	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-6	Prenatal care. Placental dysfunction, delay in fetal development, fetal distress. Abnormalities of the fertile egg. Perinatal infections. Prevention of vertical transmission of HIV.	<ol style="list-style-type: none"> <li>1. Processing of practical skills in conditions that are close to real.</li> <li>2. Clarification of problematic issues summarizing the lesson.</li> <li>3. Processing of practical skills in conditions that are close to real.</li> <li>4. Clarification of problematic</li> </ol>	Zn-1, UM-2,7, K-6,7, AB-1,5,8	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.

		issues summarizing the lesson.		
P-7	Miscarriage. Post-term pregnancy. Multiple pregnancy. . Immunological incompatibility of the blood of the mother and fetus.	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-8	Early gestosis. Hypertensive disorders during pregnancy. Preeclampsia. Eclampsia.	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-9	Bony pelvis anomalies.Narrow pelvis. Incorrect positions and pelvic fetal presentation. Bleeding during pregnancy, in delivery and postpartum. Hemorrhagic shock. DIC syndrome.	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-6, UM-6, K-6, AB-6 Zn-8, UM-8, K-8, AB-8	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
P-10	Pregnancy and childbirth in extragenital diseases. Prevention of vertical transmission of HIV. COVID-19 diagnostics, pregnancy tactics, prevention.	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-7, UM-7, K-7, AB-7	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
<b>Independent work</b>				
SIW -1 ( <i>self independent work 1</i> )	Differential diagnosis of premenstrual syndrome and therapeutic pathology. Tests of functional diagnostics. Dysfunctional uterine bleeding in the practice of a family doctor.	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 -2	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,	Zn-1,UM-1, K-1,AB-1	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.

		structural and logical schemes, writing essays, annotations, reports for presentations on practical classes, shifts in the clinic outside of school hours.		
SIW -3	Vaginal microecosystem at different periods of life. Specific and nonspecific inflammatory diseases of the female genital organs: diagnostic algorithms. 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-1, UM-1, K-1, AB-1	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segedy L.I.
SIW -4	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	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segedy L.I.
SIW -5	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	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segedy L.I.
SIW -6	Prenatal care.Placental dysfunction, delay in fetal development, fetal dystress. Abnormalities of the fertile egg. Perinatal infections. Prevention of vertical transmission of HIV.	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-2,7, K-6,7, AB-1,5,8	Shatylovyh K.L., Matvienko O.O., Rachkevych O.S., Segedy L.I.
SIW -7	Treatment of early	Preparation for practical	Zn-1, UM-	Shatylovyh K.L.,

	gestosis. Diagnostic criteria and algorithm of actions in severe preeclampsia. Emergency care for eclampsia. Clinical stages of spontaneous abortion. Tocolytic drugs, indications, against indications Assessment of CTG and BPP.	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.	1, K-1, AB-1	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	Varieties of narrow pelvis, biomechanism of childbirth with different variants of presentations and inserting the head. Emergency care for massive obstetric bleeding.	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	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.
SIW -10	Degree of obstetric risk in extragenital pathology. Cholecystitis, peptic ulcer disease, congenital and acquire heart diseases, hepatitis and pregnancy.	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.	Shatylovych K.L., Matvienko O.O., Rachkevych O.S., Segediy L.I.

**The system of organization of classes, the use of interactive methods**

*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 Halytsky 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
ZN-1-ZN-10, UM-1-UM-10, K-1-K-10, AB-1-AB-10	P-1-10, SIW-1-10.	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.	<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. <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.

#### 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.

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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

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