

MINISTRY OF HEALTH OF UKRAINE
KHARKIV NATIONAL MEDICAL UNIVERSITY

Department of Obstetrics and Gynecology No.2
academic year 2023-2024

SYLLABUS OF ACADEMIC DISCIPLINE

Obstetrics and gynecology nursing. Reproductive health and
family planning
(name of academic discipline)

Normative or elective educational component: normative

Format of the educational component: full-time
(full-time; mixed; remote)

field of knowledge 22 Healthcare
(code and name of the field of knowledge)

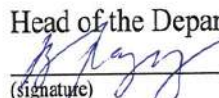
specialty / EQL 223 Nursing, first (bachelor) level

EPP "Nursing"

Year of studying III


The syllabus of the discipline was approved at
the meeting of the department
Obstetrics and Gynecology No. 2

Protocol of
" 28 " August 2023 No. 7

Head of the Department
 Professor V.V. Lazurenko
(signature) (full name)

Approved by the methodical commission of
KhNMU on surgical
specialty _____
(name)

Protocol of
" 30 " August 2023 No. 1

Head
 Professor V.O. Syplivvy
(signature) (full name)

Compiled by:

Head of the Department, Doctor of Medical Sciences, Professor V.V. Lazurenko,

Candidate of Medical Sciences, Associate Professor O.B. Ovcharenko,

INFORMATION ON TEACHERS TEACHING THE EDUCATIONAL COMPONENT

Last name, first name, patronymic, position, academic title, scientific degree

Starkova Iryna Volodymyrivna, Candidate of Medical Sciences, Associate Professor

Professional interests, links to the teacher 's profile (on the university website, department, in the Moodle system, etc Obstetrics and Gynecology.

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Consultations: face-to-face and online consultations (on the Google Meet platform) according to the consultation schedule and by prior arrangement

(face-to-face consultations: schedule and venue; online consultations: schedule, links to electronic resources)

Location: Department of Obstetrics and Gynecology No.2

INTRODUCTION

The syllabus of the discipline Obstetrics and gynecology nursing. Reproductive health and family planning has been compiled in accordance with the educational-professional program “Nursing” and the draft Standard of Higher Education of Ukraine (hereinafter referred to as the Standard), the, first (bachelor) level , field of knowledge 22 “Healthcare”, specialty 223 “Nursing”.

Description of the discipline (abstract)

The amount of study load is described in ECTS credits, which are attributed to students upon successful mastering of the relevant sections in Obstetrics and Gynecology. Types of educational activities of students according to the curriculum are: lectures, practical classes, independent work. The list of criteria for obstetric care is regulated by the relevant protocols for the specialty “Nursing”. of the Ministry of Health of Ukraine.

The subject of study of the discipline in the 3th year is Obstetrics and gynecology nursing. Reproductive health and family planning.

Interdisciplinary links: The discipline of is Obstetrics and gynecology nursing. Reproductive health and family planning. is based on knowledge obtained by students in the study of medical biology, anatomy, physiology of the female reproductive system, pharmacology, internal occupational and infectious diseases, surgical diseases, hygiene, social medicine, social medicine health economics and integrates with these disciplines.

Link to the discipline page in MOODLE:
<http://distance.knmu.edu.ua/course/index.php?categoryid=36> __

PURPOSE AND TASKS OF THE ACADEMIC DISCIPLINE

The purpose of teaching the discipline Obstetrics and gynecology nursing. Reproductive health and family planning. in the 3th year is to master the principles of pregnancy, childbirth and the postpartum period, mastering the basic principles of diagnosis, treatment and prevention of female reproductive system, use of basic and additional research methods, demonstration of skills and abilities according to the educational and qualification program.

The main tasks of studying the discipline Obstetrics and gynecology nursing. Reproductive health and family planning in the 3th year are to

- Interpret the clinical anatomy and physiology of the female genitalia.
- Plan the features of physiological pregnancy, physiological childbirth, the postpartum period
- Plan the management of women with diseases of the female reproductive system.
- Perform the necessary medical manipulations.

Integral competens

A bachelor of nursing is able to solve complex specialized tasks and practical problems in the field of nursing or in the learning process, which involves the application of certain theories and methods of the relevant science and is characterized by the complexity and uncertainty of conditions.

General competencies

(GC)

GC 01. The ability to realize one's rights and responsibilities as a member of society, to realize the values of a civil (free democratic) society and the need for its sustainable development, the rule of law, the rights and freedoms of a person and a citizen in Ukraine.

GC 02. The ability to preserve and multiply moral, cultural, scientific values and achievements of society based on understanding the history and patterns of the subject area development, its place in the general system of knowledge about nature and society, in the development of society, technology and technology; the ability to use various types and forms of motor activity for active recreation and leading a healthy lifestyle.

GC 03. Ability to abstract thinking, analysis and synthesis.

GC 04. Ability to apply knowledge in practical situations.

GC 05. Knowledge and understanding of the subject area and understanding of professional activity.

GC 06. Ability to communicate in the national language both orally and in writing.

GC 07. Ability to communicate in a foreign language.

GC 08. Skills in using information and communication technologies.

GC 09. Determination and persistence in relation to assigned tasks and assumed responsibilities.

GC 10. Ability to make informed decisions.

GC 11. Ability to work in a team.

GC 12. Interpersonal skills.

GC 13. Ability to act on ethical grounds.

Professional competences (PC)

PC 01. The ability to apply professional and legal standards in daily professional practice.

PC 02. The ability to recognize and interpret signs of health and its changes, illness or disability (assessment/diagnosis), limitations of the possibility of full-fledged life activities, and to determine the problems of patients with various diseases and conditions.

PC 03. The ability to meet the needs of the patient/client throughout the lifetime (including the dying process) by planning, assisting and executing nursing interventions, evaluating and correcting individual

care plans created in collaboration with the patient/client, caregivers, family members and other medical and social workers.

PC 04. Application of professional skills (abilities), medical means, interventions and actions to ensure the patient/client's with dignity, privacy (intimacy), confidentiality, protection of his rights, physical, psychological and spiritual needs on the basis of transcultural nursing, tolerant and non-judgmental behavior.

PC 05. The ability to effectively apply a combination of nursing skills (abilities), medical supplies, interventions and actions to ensure care based on a holistic approach, taking into account the satisfaction of the patient's needs for comfort, nutrition, personal hygiene and the ability of the individuals to meet their daily needs.

PC 06. The ability to effectively apply a set of professional skills (abilities), medical supplies, interventions and actions in assessing the functional status of patients/clients, preparing them for diagnostic examinations and taking biological material for laboratory examinations.

PC 07. Preservation of specialist's own health in the implementation of care, performing manipulations and procedures, when moving and transporting the patient/client.

PC 08. Preventive activities of a nurse aimed at preserving and strengthening health, preventing diseases, informing, and educating the patient and his family members.

PC 09. The ability to organize, implement and control the nursing process in palliative and hospice care.

PC 10. The ability to organize the provision of medical care according to the principle of the family medicine.

PC 11. The ability to execute the medical and social rehabilitation in order to restore the population health.

PC 12. The ability to orientate in determining the group belonging of drugs, the peculiarities of their pharmacokinetics and pharmacodynamics.

PC 13. The ability to identify the relationship between clinical manifestations of diseases and the results of additional methods of examinations.

PC 14. The ability to organize and provide emergency care in various acute conditions.

PC 16. The ability to organize and manage the relevant structural unit (leadership and management).

7. Program learning outcomes

PLO 1. Conduct a nursing subjective and objective examination of various organs and systems

of the patient and evaluate the obtained data.

In the conditions of health care facilities and at home, by communicating with patients of

different ages, their relatives or close friends, a sick child and his parents, be able to collect complaints, disease history, life history, allergic history, epidemiological history, evaluate anamnestic data.

PLO 2. Conduct nursing diagnosis: identify and assess patient problems.

In the conditions of health care facilities, at home, predictable circumstances, to be able to identify the real problems of the patient, assess their priority and establish a nursing diagnosis.

PLO 3. Plan nursing interventions.

In the conditions of health care facilities, at home and under unforeseen circumstances, be able to make a plan of nursing interventions to solve real and related problems of patients of various ages.

PLO 4. Monitor the work of junior medical staff and the state of inventory.

In the conditions of health care facilities, in accordance with job duties, in order to comply with the sanitary and anti-epidemic regime, be able to:

- Conduct training of junior medical personnel on the performance of functional duties

and occupational health and safety; monitor compliance with safety rules by junior medical personnel.

- Monitor the work of junior medical staff; control the implementation of the rules of the internal procedure by staff and patients; monitor compliance with measures of sanitary and hygienic regime in wards and medical offices.

PLO 5. Execute nursing administration.

In the conditions of health care facilities, in order to implement organizational and management competencies, to be able to:

- make management decisions, ensure their implementation based on the application of

nursing management models;

- ensure the implementation of orders and resolutions on health care issues;

- master the functional duties of the head of nursing services;

- know the procedure for licensing and accreditation of medical and preventive facilities,

laboratories of various profiles, etc.

PLO 6. To ensure a healthy microclimate in the team, using the principles of nursing ethics and

deontology, the rules of interpersonal communication in order to create a favorable psychological microclimate, to be able to:

- communicate with the patient and members of his family or close friends, medical staff;

- to solve ethical and deontological problems in the process of working with the patient

and his family members; consider and analyze professional mistakes in the team; conduct training for junior and technical personnel.

PLO 7. To participate in the monitoring of healthy and sick population, rehabilitation and dispensary supervision.

In the conditions of health care facilities, at home and in the community, using the current orders

of the Ministry of Health of Ukraine, in order to form, preserve and improve the health of the

adult and child population, to be able to:

- keep records of dispensary population groups;

- to calculate and analyze statistical data of dispensation efficiency;

- conduct explanatory work among patients of different dispensary groups;

- keep records of health groups;

- calculate and evaluate individual indicators and indicators of the complex effect of the

microclimate on the human body;

- to determine the stages of medical and social rehabilitation of the patient, tasks for each

stage;

- make a complex of rehabilitation measures depending on the profile, course, period of

the disease or injury;

- conduct a census of the child population.

PLO 8. To perform medical manipulations in order to ensure a sanitary and anti-epidemic regime.

PLO 9. Correctly perform medical manipulations in order to ensure the personal hygiene of the patient.

PLO 10. To perform the simplest methods of physiotherapy.

PLO 11. To coordinate activities using a combination of multiple skills to ensure patient nutrition.

PLO 12. Correctly perform medical manipulations in order to take measures to stabilize the functional state of the body.

PLO 13. To prescribe, store and apply pharmacological agents.

PLO 14. Be able to prepare the patient, collect and send biological material for laboratory and instrumental examinations.

PLO 15. To provide an emergency medical care based on the diagnosis of an emergency.

PLO 16. The ability to be accurate in performing interdependent nursing functions.

PLO 17. To plan and execute a preventive and an anti-epidemic measures for infectious diseases.

PLO 18. To organize and conduct training of patients and their family members on medical issues.

PLO 19. To conduct medical and hygienic propaganda.

PLO 20. Properly maintain appropriate medical records.

Description of the academic discipline

Name of indicators	Field of knowledge, specialty, educational and qualification level	Characteristics of the academic discipline		
		Full-time education		
Number of credits –5	Branch of knowledge 22 “Healthcare” (code and name)	Normative		
Total number of hours - 150	Specialty: 223 “Nursing” (code and name)	Year of studying:		
		3 th		
		Term		
Hours for full-time study: classrooms - 76 independent work of the student - 74	Educational and qualification level: first (bachelor) level	Lectures		
			26 hours	
		Practical classes, seminars		
		.50		
		Laboratory work		
		hours	hours	
		Independent work		
74 hours				
Individual work:				
hours				
Types of control: Grading test				

Lecture topics

№	Тема	Кільк. ГОДИН
1	Physiology of pregnancy. Diagnosis of pregnancy	2
2	Course of childbirth. Management of childbirth.	2
3	Course of pathological childbirth.	4
4	Early gestosis. Hypertensive disorders during pregnancy. Preeclampsia. Eclampsia.	2
5	Postpartum septic diseases	2
6	Bleeding during pregnancy, childbirth and the postpartum period.	2
7	Maternity injuries of mother and fetus.	2
8	Benign neoplasms of the genitals of women.	2
9	Background and precancerous diseases of the female genitals.	2
10	Female urogenital inflammatory diseases.	2
11	Emergencies in gynecology	2
12	Infertility Modern aspects of family planning.	2
	Total number of hours	26

Topics of practical classes

	Topic	Number of hours
1	Diagnosis of pregnancy. Management of pregnancy. childbirth, postpartum and neonatal period at the first level of medical care. Perinatal protection of the fetus. Pharmacotherapy in obstetrics.	4
2	Physiological childbirth. Postpartum and neonatal period	4
3	Pelvic presentations	4
4	Anomalies of the pelvis. Incorrect positions and pelvic presentation of the fetus.	4
5	Early gestosis. Hypertensive disorders during pregnancy. Preeclampsia. Eclampsia.	4
6	Postpartum septic diseases	4
7	Bleeding during pregnancy, childbirth and the postpartum period.	4
8	Maternity injuries of mother and fetus	4
9	Neoplasms of the genitals of women.	4
10	Pharmacological treatment and surgical interventions in gynecology	4
11	Emergencies in gynecology	4

12	Infertility Modern aspects of family planning.	2
13	Grading test	4
	Total number of hours	50

Independent work

	Topic	Number of hours
1	Diagnosis of pregnancy. Management of pregnancy. childbirth, postpartum and neonatal period at the first level of medical care. Perinatal protection of the fetus. Pharmacotherapy in obstetrics.	5
2	Physiological childbirth. Postpartum and neonatal period	6
3	Pelvic presentations	6
4	Anomalies of the pelvis. Incorrect positions and pelvic presentation of the fetus.	6
5	Early gestosis. Hypertensive disorders during pregnancy. Preeclampsia. Eclampsia.	6
6	Postpartum septic diseases	6
7	Bleeding during pregnancy, childbirth and the postpartum period.	5
8	Maternity injuries of mother and fetus	6
9	Neoplasms of the genitals of women.	6
10	Pharmacological treatment and surgical interventions in gynecology	6
11	Emergencies in gynecology	6
12	Infertility Modern aspects of family planning.	5
13	Grading test	5
	Total number of hours	74

Teaching methods

Lectures using multimedia technologies.

Student presentations during lectures.

Practical training:

- oral interview;
- discussions on various issues;
- role and business games;
- case methods;
- development of practical skills;

Control methods:

Current control: oral interview (individual and frontal); written test; test control; creative tasks; individual tasks; abstracts; portfolio method; mutual control; self-control; report; presentation on a given topic.

Final control: grading test.

EVALUATION CRITERIA

Evaluation of current and general educational activities (CEA, GEA).

Recalculation of the average grade for the current control in a multi-point scale is carried out in accordance with the “Instructions for assessing the educational activities of applicants...” (2). Order of KhNMU of 21.08.2021 No.181.

Recalculation of the average score for current academic activities on a multi-point scale (for disciplines ending with an exam)

4- point scale	120- point scale	4- point scale	120- point scale
5	120	3.91-3,94	94
4.95-4,99	119	3.87-3,9	93
4.91-4,94	118	3.83- 3,86	92
4.87-4,9	117	3.79- 3,82	91
4.83-4,86	116	3.74-3,78	90
4.79-4,82	115	3.7- 3,73	89
4.75-4,78	114	3.66- 3,69	88
4.7-4,74	113	3.62- 3,65	87
4.66-4,69	112	3.58-3,61	86
4.62-4,65	111	3.54- 3,57	85
4.58-4,61	110	3.49- 3,53	84
4.54-4,57	109	3.45-3,48	83
4.5-4,53	108	3.41-3,44	82
4.45-4,49	107	3.37-3,4	81
4.41-4,44	106	3.33- 3,36	80
4.37-4,4	105	3.29-3,32	79
4.33-4,36	104	3.25-3,28	78
4.29-4,32	103	3.21-3,24	77
4.25- 4,28	102	3.18-3,2	76
4.2- 4,24	101	3.15- 3,17	75
4.16- 4,19	100	3.13- 3,14	74
4.12- 4,15	99	3.1- 3,12	73
4.08- 4,11	98	3.07- 3,09	72
4.04- 4,07	97	3.04-3,06	71
3.99-4,03	96	3.0-3,03	70
3.95- 3,98	95	Менше 3	Недостатньо

Table 2.

Assessment of theoretical knowledge, if practical skills are assessed by the criteria of “passed”, “failed”

Number of questions	“5”	“4”	“3”	Oral answer for questions in the cards, which include the theoretical part of the discipline	For each answer the student receives from 10 to 16 points, which corresponds to: “5” - 16 points; “4” - 13 points; “3” - 10 points.
1	16	13	10		
2	16	13	10		
3	16	13	10		
4	16	13	10		
5	16	13	10		
	80	65	50		

Questions to the grading test

1. Physiology of pregnancy.
2. Physiology of childbirth. Anesthesia of childbirth. Physiology of the postpartum period. Physiology of the neonatal period
3. Mismatch of fetal head and pelvis of the mother. 4. Abnormal fetal position.
4. Early gestosis. Hypertensive disorders during pregnancy. Preeclampsia.
5. Maternity injuries of mother and fetus. Modern approaches to the diagnosis and treatment of maternal and fetal birth injuries.
6. Bleeding during pregnancy, childbirth and the postpartum period.
7. Postpartum septic diseases
- 8 Modern methods of examination of gynecological patients. Issues of laboratory diagnosis
9. The issue of female urogenital inflammatory diseases. Modern approaches to diagnosis and treatment. Diagnosis, treatment and prevention of sexually transmitted diseases.
- 10 The issue of gynecological oncology.
- 11 The problem of emergency gynecological care, basic principles and methods of surgical interventions in gynecology.
- 12 “Acute abdomen” in gynecology. Modern approaches to diagnosis, differential diagnosis, treatment and prevention of emergency gynecological conditions.
13. Features of preparation and postoperative management of gynecological patients at urgent and planned operative interventions.
14. Modern medical and diagnostic endoscopic methods of treatment in gynecology.
15. Medical and social significance of the problem of infertility in marriage.
16. Arrangement, structure and tasks of the family planning service. Modern aspects of contraception

3.3 Tasks for independent work

Independent study of topics for which no classroom hours are allocated. Preparation for practical classes. Elaboration of material according to the reference abstract. Work with auxiliary literature. Search and analytical work.

3.4 Individual tasks

Preparation of presentations for areas of concern.
 Presentations during lectures
 Participation in student scientific conferences, round tables.
 Participation in competitions in obstetrics and gynecology
 Preparation of study findings for publication under the guidance of teachers
 Up to 10 points can be added for each task.

3.6. Rules for appealing the assessment

Higher education seekers have the right to appeal the mark in accordance with the rules of KhNMU.

19. Recommended references

Basic

1. Gynecology – Гінекологія: підручник / І.Б.Венцківська, Г.Д.Гордєєва, О.А. Бурка та ін.; за ред.. І.Б.Венцківської. – К.: ВСВ Медицина, 2012. – 160 с.
2. Obstetrics and Gynecology: In two volumes. – Volume 1: Акушерство-Obstetrics: textbook/ Group of authors, Edited by V.I. Gryshchenko, M.O.Shcherbina. – К.: AUS Medicine Publishing, 2014. – 392 p.
3. Williams Obstetrics. In two volumes. – 25-th edition. McGrawHill Global Education Holding,LLC - 2018.
4. Dewhurst's Textbook of Obstetrics & Gynaecology, 9th Edition K Edmonds Ch Lees T Bourne Wiley-Blackwell 2018.- 1088 p
5. Roger P.Smith Netter's Obstetrics&Gynecology. – 3th Edition. – 2018. – 303 p
6. Obstetrics and gynecology in 2 volumes volume2 obstetric textbook V.I. Gryshchenko, B.M.Ventskovskyi st.al-2 rd edition 2022.- 352c

Auxiliary

1. Clinical Cases in Odstetrics and Gynecology / D.G.Konkov, O.V.Bulaveko, - Vinnytsya: LLC Nilan-Ltd, 2018. – 414 p.
2. Оперативна гінекологія: навч. посібник / Ю.С.Паращук, М.Г.Грищенко, В.Ю.Паращук, Р.А.Сафонов. – Харків : ХНМУ, 2017. – 132 с.
3. Gynecological laparoscopy : methodology guidelines for students / comp. Yu. S. Paraschuk, O. B. Ovcharenko, R. A. Safonov, O. A. Lyaschenko. – Kharkiv : KNMU, 2017. – 46 p.
4. The Guide Obstetrics &Gynaecology. –MSSN. – 113 p.
5. Senchuk A., Chermak I., Ventskivska I. Guidelines: Patological Oststetrics. Study guide / Ed ND, prof A. Senchuk. – К. : Книга Плюс – 2021 – 210 с.

Information resources

MOODLE: <http://distance.knmu.edu.ua/course/index.php?categoryid=36> __
 All-Ukrainian electronic library [http://youalib.com/medicine/obstetrics- and-gynecology](http://youalib.com/medicine/obstetrics-and-gynecology)
 Textbooks of medicine <http://www.ex.ua/74367524>
 KhNMU repository <http://repo.knmu.edu.ua>
 Official site of the testing center <https://testkrok.org.ua/>