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ФИО: Ястребов Олег Александрович
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**Federal State Autonomous Educational Institution of Higher Education PEOPLES'
FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTER PATRICE LUMUMBA
RUDN University**

Institute of Medicine

educational division (faculty/institute/academy) as higher education programme developer

COURSE SYLLABUS

Reproductive health

course title

Recommended by the Didactic Council for the Education Field of:

31.05.01 General Medicine

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

General medicine

higher education programme profile/specialisation title

1. COURSE GOAL(s)

The goal of the course "**Reproductive health**" is to ensure the education of specialists in the program of general medicine, field – Reproductive health.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) «**Reproductive health**» is aimed at the development of the following competences /competences in part: GPC-2, GPC-4; GPC- 5; GPC-7; PC-2; PC-5.

Table 2.1. List of competences that students acquire through the course study

Competence code	Competence descriptor	Competence formation indicators (within this course)
GPC-2	Capable of monitoring the effectiveness of preventive measures, healthy lifestyle formation and sanitary and hygienic education of the population	GPC-2.1. Being able to analyze the awareness of the population of a healthy lifestyle and medical literacy.
		GPC-2.2. Being able to develop a plan of organizational and methodical measures aimed at increasing the awareness of the population of a healthy lifestyle, its literacy concerning disease prevention issues.
		GPC-2.3. Being able to prepare an oral presentation or a printed text which promote a healthy lifestyle and increase the population's literacy concerning disease prevention issues.
GPC-4	Capable of using medical devices provided for by the procedure for medical care and conduct patient examinations in order to determine a diagnosis	GPC-4.1. Being able to use medical devices in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, care taking into account the medical care standards.
		GPC-4.2. Being able to assess the effectiveness and safety of medical devices.
		GPC-4.3. Mastering the technique of performing typical medical procedures using medical devices provided for by the procedures for medical care provision.
GPC-5	Capable of assessing morpho-functional, physiological conditions and pathological processes in the human body to solve professional tasks	GPC-5.1. Mastering the algorithm of clinical, laboratory and functional diagnosis when dealing with professional tasks.
GPC-7	Capable of prescribing treatment and monitor its efficacy and safety	GPC-7.1. Mastering skills in the methods of general clinical examination, interpretation of laboratory results, instrumental diagnostic methods.

Code	Competence	Competence achievement indicators (within this discipline)
		GPC-7.2. Being aware of the algorithm for making a preliminary diagnosis with the subsequent referral of the patient to the relevant medical specialist.
PC-2	Capable of examining the patient in order to establish a diagnosis	<p>PC-2.1. Has the skills to collect complaints, anamnesis of life and illness of the patient, as well as to conduct a complete physical examination of the patient (visual inspection, palpation, percussion, auscultation)</p> <p>PC-2.2. Capable of formulating a presumptive diagnosis and plan laboratory and instrumental investigations of the patient</p> <p>PC-2.3. Capable of referring patients for laboratory investigations in medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on medical care, taking into account the standards of medical care</p> <p>PC-2.4. Capable of referring patients for instrumental investigations in medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on medical care, taking into account the standards of medical care</p> <p>PC-2.5. Capable of referring patients for consultation to the specialists in medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on medical care, taking into account the standards of medical care</p> <p>PC-2.6. Capable of referring patients for specialized medical care in an inpatient or outpatient departments hospital in medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on medical care, taking into account the standards of medical care</p> <p>PC-2.7. Capable of making differential diagnosis with other diseases/conditions, including emergencies, as well as establishing a diagnosis taking into account the current international statistical classification of diseases and problems, associated with the health</p>

Code	Competence	Competence achievement indicators (within this discipline)
PC-5	Capable of conducting and monitoring the effectiveness of preventive measures and measures of formatting healthy lifestyle and sanitary and hygienic education of the population	PC-5.1. Capable of organizing and conducting medical examinations taking into account age, state of health, profession in accordance with applicable regulatory legal acts and other documents PC-5.3. Capable of carrying out clinical examination of the adult population in order to early detect chronic non-infectious diseases and the main risk factors for their development in accordance with the current regulatory legal acts and other documents

3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the core/variable/elective* component of (B1) block of the higher educational programme curriculum.

* - Underline whatever applicable.

Within the higher education programme students also master other (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the course study.

Table 3.1. The list of the higher education programme components/disciplines that contribute to the achievement of the expected learning outcomes as the course study results

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
GPC-2	Capable of monitoring the effectiveness of preventive measures, healthy lifestyle formation and sanitary and hygienic education of the population	Jurisprudence; Anatomy; Biochemistry; General surgery; Medical elementology; Otorhinolaryngology; Urology; Biology; Occupational diseases; Forensic Medicine; Polyclinic therapy; Anesthesiology, resuscitation, intensive care; Hygiene; Medical rehabilitation;	

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
		Obstetrics and Gynecology; Introduction to Nutrition Practice Practice of general medical profile: outpatient physician assistant	
GPC-4	Capable of using medical devices provided for by the procedure for medical care, and conduct patient examinations in order to determine a diagnosis	General surgery; Radiation diagnostics; Neurology, medical genetics, neurosurgery; Facultative Surgery; Oncology, radiation therapy; Anesthesiology, resuscitation, intensive care; Traumatology, orthopedics; Medical rehabilitation; Endocrinology; Physics Obstetrics and Gynecology; Maxillofacial Surgery Practice Practice for obtaining primary professional skills and abilities: nursing; Practice for obtaining primary professional skills and abilities: assistant to junior medical staff; Practice of diagnostic profile: ward nurse assistant; Practice in emergency medical procedures; Practice for obtaining primary professional skills and professional experience: assistant procedural nurse	
GPC-5	Capable of assessing morpho-functional, physiological conditions and pathological processes in the human body to solve professional tasks	Biology; Normal physiology; Biochemistry; Microbiology, virology; Pathological anatomy, clinical pathological anatomy; Pathophysiology, clinical pathophysiology; General surgery; Dermato-venereology; Neurology, medical genetics, neurosurgery; Ophthalmology; Facultative Surgery; Occupational diseases; Therapy;	

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
		Anesthesiology, resuscitation, intensive care; Surgery, pediatric surgery; Oncology, radiation therapy; Obstetrics and Gynecology; Maxillofacial Surgery; Molecular genetics in practical biology and medicine; Fundamentals of psychophysiology; Medical Enzymology; Fundamentals of Integrative Medicine Practice Therapeutic physician assistant: physician assistant therapist	
GPC-7	Capable of prescribing treatment and monitor its efficacy and safety	Physics; General surgery; Dermato-venereology; Neurology, medical genetics, neurosurgery; Otorhinolaryngology; Ophthalmology; Therapy; Surgery; Polyclinic therapy; Pediatric surgery; Obstetrics and Gynecology; Maxillofacial Surgery; Fundamentals of Integrative Medicine Practice Practice of general medical profile: assistant doctor of an outpatient clinic	
PC-2	Capable of examining the patient in order to establish a diagnosis	Pathophysiology, clinical pathophysiology; Radiological diagnostics; General surgery; Dermato-venereology; Neurology, medical genetics, neurosurgery; Otorhinolaryngology; Ophthalmology; Faculty Therapy; Surgery; Occupational diseases; Therapy; Anesthesiology, resuscitation, intensive care; Pediatric surgery; Endocrinology; Oncology, radiological therapy; Traumatology, orthopedics; Pediatrics;	

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
		Obstetrics and Gynecology; Maxillofacial Surgery; Polyclinic therapy; Dentistry; Current issues of neonatology; Fundamentals of childhood nutrition Practice Practice in gynecology: assistant to gynecologist; Physician Assistant to therapist; Practice of obstetrics: obstetrician's assistant; General practice: pediatrician's assistant Practice of general medical profile: assistant doctor of an outpatient clinic	
PC-5	Capable of conducting and monitoring the effectiveness of preventive measures and measures of formatting healthy lifestyle and sanitary and hygienic education of the population	Psychology and pedagogy; Propaedeutic of internal diseases; Polyclinic therapy; Surgery, pediatric surgery; Obstetrics and Gynecology; Pediatrics; Evidence-based medicine; Immunology; Allergology Practice Practice of a surgical profile: assistant surgeon; Practice in gynecology: assistant gynecologist; Therapist assistant; Practice of obstetrics: obstetrician's assistant; Practice of pediatrics: pediatrician's assistant; Practice of general medical profile: assistant doctor of an outpatient clinic	

* To be filled in according to the competence matrix of the higher education programme.

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course "**Reproductive health**" is 2 credits (72 academic hours)

*Table 4.1. Types of academic activities during the periods of higher education programme mastering (**full-time training**)**

Types of educational work		Total, acad hours.	Semester(s)	
			12	
<i>Contact academic hours</i>		32	32	
Including:				
Lectures (LC)				
Lab work (LW)		32	32	
Seminars (workshops/tutorials) (S)				
<i>Self-studies</i>		28	28	
<i>Evaluation and assessment (exam/passing/failing grade)</i>		12	12	
Total labor intensity of the discipline	academic hours	72	72	
	credits	2	2	

* To be filled in regarding the higher education programme correspondence training mode.

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
Section 1 Emergency conditions in gynecology. Acute pelvic pain. Sepsis	Topic 1.1. Emergency conditions in gynecology. The concept of "acute abdomen". Perforation of the uterus. Disrupted ectopic pregnancy. Ovarian apoplexy. Torsion of the ovarian tumor. Fibroid torsion. Rupture of the wall of the purulent focus of the pelvic organs. Pelvioperitonitis. Peritonitis. Topic 1.2. Sepsis: etiology, pathogenesis, clinical picture, diagnosis, treatment, prevention.	LW
Section 2 Family planning. Contraception. Abortion (safe unsafe). Post-abortion rehabilitation	Topic 2.1. Family planning. Abortion: classification, indications, methods. Preconception planning. Abortion (safe unsafe). Methods of pregnancy termination. Post-abortion rehabilitation. Prepregnancy care. Topic 2.2. Contraception: classification. Different methods of birth control.	LW
Section 3 Infertility. Chronic pelvic pain. Differential diagnosis of gynecological and extragenital diseases occurring with pelvic pain syndrome.	Topic 3.1. Infertility: classification, diagnosis, treatment. ART. Topic 3.2. Chronic pelvic pain syndrome. Differential diagnostics. Endometriosis Definition of the concept, etiology, pathogenesis, classification, features of the clinical picture, conservative treatment, indications for surgical treatment.	LW
Section 4 Breast diseases. Cancer prophylaxis.	Topic 4.1. Benign breast dysplasia: definition, etiology, pathogenesis, risk factors, classification, clinical and diagnostic criteria, treatment, prevention. Topic 4.2. The main risk factors, etiological factors and measures for the prevention of cancer. Pathogenesis, stages of cancer of the endometrium, cervix, ovaries, mammary glands, early and late clinical symptoms of endometrial cancer, cervix, ovaries, mammary glands; diagnostic methods, ways of metastatic dissemination.	LW

Section 5 Disorders of peri- and postmenopause	Topic 5.1. Pathology of the perimenopausal period. Early, mid-term and late manifestations of climacteric syndrome. STRAW scale + 10. Therapeutic window of opportunities. Features of menopausal hormone therapy: classification, modes, indications, contraindications.	LW
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* - to be filled in only for **full**-time training: *LC* - lectures; *LW* - lab work; *S* - seminars.

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Classroom equipment and technology support requirements

Type academic activities	Classroom equipment	Specialized educational / laboratory equipment, software and materials for course study (if necessary)
Lab-work	Classroom for laboratory classes, individual consultations, current and interim assessment, equipped with specialized furniture	Birth simulators, breast model, female pelvis model, fetal model, contraceptive devices, instruments, vaginal examination simulator, hysteroscopy simulator, oocyte retrieval simulator
Self-studies	Classroom for independent work (may also be used for seminars and consultations), equipped with specialized furniture and computers with access to the Electronic Information-Educational Environment (EIEE)	Same list of simulators and equipment as above

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Gynecology. Textbook, by V.E. Radzinskiy and A. Fuks. Moscow, edited by MEDIA GEOTAR, 2020, 896 pp
2. Obstetrics / ed. By V.E. Radzinskiy, A.M. Fuks. Ch. G. Gagaev - M.: GEOTAR-Media, 2019. — 880 pp.

Additional literature

1. The Johns Hopkins Manual of Gynecology and Obstetrics / Edited by Betty Chou, Jessica L. Bienstock, and Andrew J. Satin . - Wolters Kluwer Health, 2021. - 1666 c. - (Lippincott Manual).
https://mega.rudn.ru:443/MegaPro/UserEntry?Action=Rudn_FindDoc&id=513300&idb=0
2. Clinical Obstetrics : The Fetus & Mother / Edited by E. Albert Reece, Gustavo F. Leguizamón, George A. Macones, Arnon Wiznitzer, and Julie A. Rosen. - Электронные текстовые данные. - Wolters Kluwer Health, 2021. - 2222 c. https://mega.rudn.ru:443/MegaPro/UserEntry?Action=Rudn_FindDoc&id=513302&idb=0
3. Manual of Obstetric Emergencies / Edited by Valerie Dobiesz, and Kathleen Kerrigan. - Электронные текстовые данные. - Wolters Kluwer Health, 2020. - 794 c.
https://mega.rudn.ru:443/MegaPro/UserEntry?Action=Rudn_FindDoc&id=513250&idb=0
4. Berek & Novak's **Gynecology** / Edited by Jonathan S. Berek and Deborah L. Berek. - Электронные текстовые данные. - Wolters Kluwer Health, 2020. - 3081 c.
https://mega.rudn.ru:443/MegaPro/UserEntry?Action=Rudn_FindDoc&id=513304&idb=0
5. Gabbe's Obstetrics: Normal and Problem Pregnancies. 9th ed. — Philadelphia: Elsevier / Saunders, 2024 — 1280 p.
6. Meriwether Kate, Joey England. Obstetrics & Gynecology Morning Report: Beyond the Pearls, 1e. — Elsevier Science, 2018. — 480 p.
7. Barbara L. Hoffman et al. Williams Gynecology 4 ed. IE. — McGraw-Hill, 2020. — 1328 p.

8. Williams Obstetrics 26 edition. — McGraw-Hill, 2022. — 1328 p.

Resources of the information and telecommunications network "Internet":

1. Electronic library system of RUDN University
2. TUIS RUDN University: <https://esystem.rudn.ru/course/view.php?id=7452>,

<https://esystem.rudn.ru/course/view.php?id=8183>

2. Data bases and browsers:

- 1) StatPearls. Treasure Island (FL): StatPearls Publishing <https://www.ncbi.nlm.nih.gov/books/NBK430685/>
- 2) SCOPUS <http://www.elsevierscience.ru/products/scopus/>

7. EVALUATION MATERIALS AND SCORE-RATING SYSTEM FOR ASSESSING THE LEVEL OF COMPETENCES IN THE DISCIPLINE

Evaluation materials and a score-rating system for assessing the level of competencies (part of competencies) based on the results of mastering the discipline "Obstetrics and Gynecology" are formed based on the requirements of the relevant local normative act of the RUDN University.

* - Evaluation materials and a score-rating system are formed based on the requirements of the relevant local normative act of RUDN University.

DEVELOPERS:

MD, PhD, associate
professor of the Department

position, department name

signature

Akhmatova A.N.

initials, last name

MD, PhD,
professor of the Department

position, department name

signature

Khamoshina M.B.

initials, last name

HEAD OF THE DEPARTMENT:

Obstetrics and Gynecology
with the course of perinatology

position, department name

signature

Radzinsky V.E

initials, last name

HEAD OF THE PROGRAMME:

Deputy Director of MI

position, department name

signature

N.V. Sturov

initials, last name