SYLLABUS
Polyclinic Obstetrics and Gynecology
2026-2027 academic year
for students of medical faculty
5 course 10 semesters
3 credits (90 h, including auditorial - 48 h, independent work – 42 h)

Lecturer: **Venue:**	**Ryskeldieva V.T.** +996558065108 (Whatsapp) Email: Zoom	
Practical classes:	Saikal Osmonova +996550506650 (Whatsapp) Email: saikal.osmonova@gmail.com Aida Uzakova +996550580058 (Whatsapp) Email: aidauzakova@yahoo.com Karina Brovko +996555906606 (Whatsapp) Email: jan.karina@inbox.ru Gulzat Totuyaeva +996772700233 (Whatsapp) Email: gtotuyaeva@mail.ru Baktygul Bolotbek kyzy +996777222587 (Whatsapp) Email: bakulina587@gmail.com Kahkashan Dzhashmed Alam +996709888402 (Whatsapp) Email: dr_kahkashan_kg@yahoo.com	Vadjiha Abbas +996700328189 (Whatsapp) Email: jiyaimran009@gmail.com Gulzar Dovlotova +996 772663336 (Whatsapp) Email: nanosh1b3@mail.ru Elnura Kadyrova +996 500144241 (Whatsapp) Email: Elnurakadyrova97@gmail.com Dinara Umetalieva +996 554776771 (Whatsapp) Email: dina.umetalieva@gmail.com Shirin Beknazarova +996 508700747 Email: shirin070322@gmail.com Erbol Esenaliev +996554243262 (Whatsapp) Email: esenaliev94@gmail.com

Venue: Eiva clinic, Bishkek, residential area Yntymak st. Kyrman 38/1

K Clinic, Bishkek, Chyngyz Aytmatov avenue 73/1

City Perinatal Center, Suerkulov street 1a

National Center for Maternal and Child Health, Togolok Moldo street 1a

Amanat clinic, Bishkek, Turusbekov street 88/1

Clinical Simulation Center, Bishkek, Lev Tolstoy street 17v

The Syllabus is considered
at the meeting of the department of Obstetrics and Gynecology
Protocol № 1 dated 28th August 2026
Head of the department

Course Objective: The objective of the course AG 2: Outpatient Obstetrics and Gynecology is to complete the development of students' professional competencies necessary for the independent provision of highly qualified obstetric and gynecological care. The primary focus is on integrating theoretical knowledge into clinical practice, mastering the skills for managing high-risk pregnancies and obstetric emergencies, and applying modern methods for the diagnosis and treatment of socially significant gynecological diseases.

The objectives of the course are:

1. Improving antenatal care skills: Mastering the methodology for comprehensive assessment of risk factors and developing personalized monitoring strategies for physiological and high-risk pregnancies. Mastering algorithms for differential diagnosis and providing emergency care for obstetric hemorrhage and critical conditions.
2. Clinical management of obstetric complications: Systematization of algorithms for providing emergency care in cases of obstetric hemorrhage and critical conditions during labor in accordance with international protocols.
3. Diagnosis and treatment of neuroendocrine disorders: Mastering the differential diagnostic approach for abnormal uterine bleeding (AUB), endocrinopathies (PCOS), and menopausal disorders.
4. Addressing reproductive health issues: Study of modern infertility treatments, ART technologies, and counseling methodologies for family planning and contraception.
5. Management of infectious and urogynecological pathologies: Mastering skills in the syndromic treatment of STIs, management of patients with pelvic inflammatory disease (PID), and methods for correcting pelvic floor dysfunction (prolapse, urinary incontinence).
6. Implementation of Cancer Prevention: Implementation of cervical screening algorithms and principles of cancer vigilance in the detection of benign and precancerous diseases of the female reproductive system.

Translated with DeepL.com (free version)

After study of the discipline the student must:

Knowledge: After studying the discipline, the student should know:

- Methods of examination, diagnosis of pregnancy and dynamic observation in a woman's consultation
- Diagnostical criteria for contracted pelvis
- Diagnostical criteria for CPD (cephalopelviodisproportion)
- Prognosis for pathological delivery
- Bleeding action algorithm
- Main principles of circulating blood volume
- Concept of shock index
- Assessment of blood loss
- Levels of regulation of the menstrual cycle
- Family Planning
- Contraception, types
- Manual vacuum aspiration
- Medical abortion
- The algorithm for examination of infertile couples
- Male infertility, interpretation of spermogram test
- In Vitro Fertilization
- ICSI, TESA, PE
- Principles for the management of women after ART

Skill: The student should be able to:

- Highlight groups of women with a contracted pelvis
- To diagnose cephalo-pelvio-disproportion and gives a prognosis for vaginal delivery or CS
- Know the principles of BCC recovery (colloidal and crystalloid solutions)
- Know every level of regulation of the menstrual cycle
- Be able to assess the hormonal background and the level of damage
- Advise on family planning methods
- Advise on medical abortion
- To conduct manual vacuum-aspiration of women
- Examine the infertile couple
- Estimate spermogram test
- Know about the use of ART, choose the necessary method of ART
- Have the concept of embryo selection
- Have an understanding of the complications of IVF
- Be able to lead a pregnancy after applying ART

Attitude:

- General examination, examination the mammary gland in women and children
- To determine the position, presentation of the fetus, to listen to the heartbeat
- To demonstrate the techniques of physiological birth on simulators.
- Provide first aid for bleeding
- To choose a contraceptive method for family planning
- Teach the use of emergency contraceptive drugs
- Internal (bimanual) gynecological examination on models;
- Speculum examination on models
- Principles of examination of patients with abortion complications,
- Interpretation of the results of laboratory, instrumental methods diagnostics;
- Algorithm of treatment measures for abortions; maintaining medical records.
- Principles of examination of infertile couples
- Algorithm of treatment measures for infertility;
- Basic theoretical foundations for the use of ART

Pre-requisites

- Anatomy (macro-microanatomy) of female genital tract
- Normal physiology
- Biochemistry
- Pathophysiology
- Physiology of reproductive system
- Physiology of normal pregnancy
- Physiology changes during pregnancy, labour and puerperium
- Diagnosis of pregnancy
- Routine antenatal care, management of common symptoms in pregnancy, investigations to be carried out in pregnancy.
- Techniques for obstetric and gynaecological examinations
- Introduction to obstetrics.
- Introduction to clinic: CBC, urine analysis, PaPP smear analysis.

Post-requisites

- Family medicine

THEMATIC PLAN OF LECTURES

№	Theme of lecture	Hours	Date
	Unit 1 - Outpatient Obstetrics		
1.	Prenatal Care (registration, screenings, low-risk pregnancies)	2	
2.	High-Risk Pregnancies (preeclampsia, pre-eclampsia, antepartum hemorrhage)	2	
3.	Childbirth and obstetric complications (childbirth, cesarean section, and termination of pregnancy)	2	
	Unit 2 - Outpatient Gynecology and Reproductive Health		
4.	Menstrual cycle disorders (amenorrhea, polycystic ovary syndrome)	2	
5.	Infertility and contraception (basic diagnosis, assisted reproductive technology, contraceptive methods)	2	
6	Inflammatory Diseases and STIs	2	
	Unit 3- Oncological Urogynecology		
7.	Pelvic Organ Prolapse. Urinary Incontinence in Women. Pelvic Floor Rehabilitation.	2	
8.	Screening and Fundamentals of Gynecologic Oncology. (Screening, Pap smear, HPV, Overview of Cancer, Menopause)	2	
	Total :	16	

THEMATIC PLAN OF PRACTICAL CLASSES

№	Theme of practical class	Hours	Date
	Unit 1 - Outpatient Obstetrics		
1.	Methodology of the initial examination of pregnant women: stratification of perinatal risk factors and current standards for antenatal care.	4	
2.	Clinical management of high-risk pregnancies: diagnosis and algorithms for managing antenatal bleeding.	4	
3.	Physiology and pathology of labor: monitoring, biomechanics, and prevention of intrapartum obstetric complications.	2	
4.	Control unit 1	2	
	Unit 2 - Outpatient Gynecology and Reproductive Health		
5.	Neuroendocrine regulation and menstrual cycle disorders: differential diagnosis of amenorrhea and a multidisciplinary approach to PCOS treatment.	2	
6.	Infertile marriage: current diagnostic algorithms, management strategies, and assisted reproductive technology (ART) options.	2	
7.	Reproductive planning strategies: comparative analysis of contraceptive methods and family planning counseling.	2	
8.	Infectious and inflammatory diseases of the pelvic organs (PID): etiopathogenesis, modern diagnosis, and principles of comprehensive therapy.	2	
9.	Sexually transmitted infections (STIs): syndrome-based management, treatment protocols, and prevention of reproductive loss.	2	
10.	Control unit 2	2	
	Unit 3- Oncological Urogynecology		
11.	Modern cervical screening programs: diagnosis and management strategies for precancerous cervical conditions (HPV, cytology).	2	
12.	Gynecologic Oncology Vigilance: Early Diagnosis of Malignant Neoplasms and Management of the Menopausal Transition.	2	
13.	Urogynecology: Clinical Presentation, Classification, and Modern Methods for Correcting Pelvic Organ Prolapse and Urinary Incontinence in Women.	2	
14.	Control unit 3	2	
	Total :	32	

THEMATIC PLAN OF INDEPENDENT WORK OF STUDENTS

№	Theme of independent work	Hours	Date
	Unit 1 - Outpatient Obstetrics		
1.	**Initial examination of a pregnant woman and prenatal care:** components of the first antenatal visit, history taking, physical and obstetric examination, assessment of gestational age, laboratory and instrumental investigations, identification of risk factors, formation of an individualized prenatal care plan, patient counseling and follow-up.	14	
2.	**High-risk pregnancy and antepartum bleeding:** classification of high-risk pregnancies, maternal and fetal risk factors, causes of antepartum hemorrhage (placenta previa, placental abruption, others), diagnostic approach, emergency management, monitoring strategies, and prevention of complications.		
3.	**Childbirth and obstetric complications:** physiology of labor, stages of childbirth, clinical monitoring of labor, common obstetric complications (dystocia, fetal distress,		

	postpartum hemorrhage), principles of management, and prevention strategies.		
Unit 2 - Outpatient Gynecology and Reproductive Health			
4.	**Menstrual cycle disorders:** physiology of the menstrual cycle, classification of disorders (amenorrhea, oligomenorrhea, menorrhagia), pathophysiology, diagnostic approach including hormonal evaluation and imaging, and management strategies.	16	
5.	**Infertility: diagnosis and management:** definition and epidemiology, female and male factors, stepwise diagnostic algorithm, role of hormonal and imaging studies, medical and surgical treatment options, and assisted reproductive technologies.		
6.	**Contraception and family planning:** modern contraceptive methods (hormonal, intrauterine, barrier, natural), mechanisms of action, indications and contraindications, selection based on patient characteristics, counseling, and prevention of complications.		
7.	**Inflammatory diseases of the pelvic organs:** etiology and pathogenesis, common pathogens, clinical presentation, diagnostic criteria, laboratory and imaging methods, treatment protocols, complications, and prevention.		
8.	**Sexually transmitted infections:** epidemiology, classification, clinical manifestations, diagnostic methods, treatment principles, partner management, and preventive strategies.		
9.	**Benign and malignant diseases of the cervix**: epidemiology, pathogenesis, screening programs, colposcopy, biopsy, histopathological interpretation, therapeutic approaches, prognosis.		
10.	**Benign and malignant diseases of the uterus and ovaries**: risk factors, diagnostic methods, staging, treatment strategies, surgical interventions, fertility preservation.		
Unit 3- Oncological Urogynecology			
11.	**Screening and precancerous conditions of the cervix:** role of screening programs (Pap smear, HPV testing), classification of precancerous lesions, colposcopy and biopsy, interpretation of results, management and follow-up.	12	
12.	**Gynecologic cancers and menopause:** основные виды гинекологических раков (шейки матки, эндометрия, яичников), факторы риска, клинические проявления, диагностика и стадирование, принципы лечения; менопауза — физиология, клинические проявления, гормональная терапия и альтернативные подходы.		
13.	**Pelvic organ prolapse and urinary incontinence in women:** classification and pathophysiology, risk factors, clinical assessment, diagnostic methods, conservative and surgical management, rehabilitation, and prevention.		
	Total :	42	

Recommended reading for the discipline:

Basic:

1. Jonathan S. Berek — *Berek and Novak's Gynecology*, 2020
2. Jonathan S. Berek — *Berek and Novak's Gynecology Essentials*, 2020

3. Monga A. — *Gynaecology by Ten Teachers*, 18th ed., 2000
4. Campbell S.; Lees Ch. — *Gynaecology by Ten Teachers*, 17th ed., 2004
5. Chohan A. — *Fundamentals of Gynaecology*, 2010
6. Arora S. — *Gynaecology. Self-Assessment and Review*, 2012
7. Bickerstaff H. — *Shaw's Textbook of Gynaecology*, 15th ed., 2011
8. Konar H. (D.C. Dutta) — *Gynaecology*, 5th ed., 2009

Additional:

1. Hacker N.F.; Moore J.G. — *Essentials of Obstetrics and Gynecology*, 4th ed., 2004
2. Susan Stephenson; Julia Dmitrieva — *Obstetrics and Gynecology*, 2023
3. Betty Chou — *The Johns Hopkins Manual of Gynecology and Obstetrics*, 2021
4. Kirubamani N.H. — *Undergraduate Manual of Clinical Cases in Obstetrics and Gynaecology*, 2nd ed., 2021

Grading policy and procedures for all types of work

For the period of studying the discipline, the student gains points for the relevant parameters (per unit):
current score - 40 points
independent work - 20 points
control score (final assessment of knowledge per unit) - 40 points
Maximum score - 100 (40+20+40)

Grading system for student's achievements

Grading criteria per discipline				
Maximum score	Intervals			
	«unsatisfactory»	«satisfactory»	«good»	«excellent»
Current control - 40	0-23	24-30	31-35	36-40
Interval description	The student does not perform the practical task (diagnosis, examination and treatment algorithm); Demonstrates partial theoretical knowledge of individual issues in obstetrics and gynaecology; makes serious stylistic and logical mistakes in answering questions does not know the scientific terminology; is passive in communicating with the patient.	The student does not perform the practical task (diagnosis, examination and treatment algorithm); shows insufficient knowledge of basic obstetric and gynecological pathology; Significant linguistic and logical errors in answering questions and using use of scientific terminology; poor mastery of the tools of the discipline, incompetence in solving standard (not knowing the tools of the discipline, incompetence in solving standard problems; inability to navigate the main theories,	Partially completed the practical task (diagnosis, examination and treatment algorithm), made inaccuracies; shows sufficient knowledge of basic obstetric and gynecological pathology; has mastered the instrumentation and is able to use it in practice under the guidance of the instructor; knows the main instrumental methods of investigation in obstetrics and gynecology; is oriented in the main approaches to the treatment of obstetric and gynecological pathology; uses selected scientific terms,	Performs a practical task (diagnosis, examination and treatment algorithm), with inaccuracies inaccuracies; shows knowledge of basic obstetric and gynecological pathology; has knowledge of instrumentation and can use it in practice; knows the possibilities of basic instrumental examination methods in obstetrics and gynecology; is familiar with the main approaches to the treatment of obstetric and gynecological pathology; has a good command of scientific

		concepts and trends in obstetrics and gynecology; Passive communication with the patient.	satisfactorily answers the questions posed, is able to draw conclusions without significant errors, is able to apply typical solutions in standard is able to apply typical solutions to standard clinical situations; Demonstrates the skills of communication with the patient.	terminology, can answer the questions posed, and is able to draw conclusions, Applies typical solutions in standard clinical situations; Demonstrates the skills of communication with the patient.
Independent work - 20	0-11	12-15	16-17	18-20
Interval description	The student refuses to answer or shows a complete lack of knowledge of the course material when attempting to answer a question. No clinical problem solved, no independent work done.	Is not fully aware of the curriculum material. Does not correctly perform a number of clinical examination techniques. Can only apply his/her knowledge in a typical familiar situation and has difficulty with minor changes to the question. There are also difficulties in the application of special skills. Can only solve typical clinical problems and has poor communication skills.	The student has a general knowledge of the programme material, operating freely in a familiar situation. There are two or three deficiencies in the answer. The student confidently answers additional questions regarding the main points of the course, but has difficulty solving clinical problems in a situation that he/she is unfamiliar with. The student is able to apply the knowledge and relevant clinical skills to solve standard problems. Have minor errors in the completion of the report on the practical, case or case study. Not fully confident in communication skills, but demonstrates the ability to engage	You give a correct definition of the main concepts; shows understanding of the material, can justify your judgments, apply the knowledge in practice, give the necessary examples not only from the textbook, but also independently composed; presents the material consistently and correctly from the point of view of the norms of literary language.

			in effective dialogue.	
Control work (module) - 40	0-23	24-30	31-35	36-40
Interval description	Has a sketchy, unsystematic knowledge of standard algorithms for the treatment of the most common diseases. Attempts to apply standard algorithms for the treatment of the most common diseases in typical clinical situations, making gross errors. Is able to reproduce standard algorithms for the treatment of the most common diseases, but has considerable difficulty in correcting them.	Reproduces standard algorithms for the treatment of the most common diseases, but makes some mistakes. Is able to solve typical clinical problems according to an established pattern, applying standard treatment algorithms, but makes some mistakes. Solves typical clinical problems according to an established pattern, applying standard treatment algorithms, and corrects them when necessary, but makes mistakes.	Reproduces standard algorithms for the treatment of the most common diseases, understands the key points, but is inaccurate in analyzing the algorithms from the perspective of evidence-based medicine. Is able to solve typical clinical problems independently, applying standard treatment algorithms, but is inaccurate in justifying his/her actions from the position of evidence-based medicine. Solves typical clinical problems independently by applying standard algorithms of treatment according to the principles of evidence-based medicine, corrects them if necessary, but makes inaccuracies.	Is able to characterize the most common diseases, reproduce, understand and analyses their treatment algorithms from an evidence-based medicine perspective. Is able to solve typical clinical problems independently by applying standard treatment algorithms, clearly justifying his/her actions from the position of evidence-based medicine. Is able to solve typical clinical problems independently and correct standard treatment algorithms when necessary, clearly justifying his/her actions from the evidence-based medicine point of view.

Conduct Policy: (lateness, absence, behavior in the auditorium, late submission of work).
- Punctuality and completion of tasks.
- Mandatory attendance of classes.
- Attending class in a clean medical uniform.
- Eliminating conversations on a cell phone in the classroom.
- Active participation in the learning process.
- Doing homework on time.
- Academic detention at the time specified by the teacher.

For violations of the Conduct Policy, the total points for discipline might be reduced to 1-5 points.

Academic Ethics Policy.
- Be tolerant, respect the opinions of others.

- Formulate objections in the correct form.
- Constructively support feedback in all classes.
- Plagiarism and other forms of dishonest work are unacceptable. Plagiarism includes the following: the absence of references when using printed and electronic materials, quotes, thoughts and works of other authors or students.
- Prompting and cheating during tests, exams, classes is unacceptable as well as passing an exam for another student, unauthorized copying of materials.

For violations of the Academic Ethics Policy, the total points for the discipline may be reduced to 1-5 points.

Guidelines for the lessons of the discipline

Topic 1: Methodology of the initial examination of pregnant women: stratification of perinatal risk factors and current standards for antenatal care.

Key questions covered in lesson 1

Components of the first antenatal visit: history taking, general and obstetric examination, assessment of gestational age, identification of risk factors.

Laboratory and instrumental investigations during pregnancy, development of an individualized prenatal care plan, patient counseling, and follow-up strategies.

Recommended reading for lesson 1

1. Jonathan S. Berek — *Berek and Novak's Gynecology*, 2020
2. Jonathan S. Berek — *Berek and Novak's Gynecology Essentials*, 2020
3. Monga A. — *Gynaecology by Ten Teachers*, 18th ed., 2000
4. Campbell S.; Lees Ch. — *Gynaecology by Ten Teachers*, 17th ed., 2004
5. Chohan A. — *Fundamentals of Gynaecology*, 2010
6. Arora S. — *Gynaecology. Self-Assessment and Review*, 2012
7. Bickerstaff H. — *Shaw's Textbook of Gynaecology*, 15th ed., 2011
8. Konar H. (D.C. Dutta) — *Gynaecology*, 5th ed., 2009

Topic 2: Clinical management of high-risk pregnancies: diagnosis and algorithms for managing antenatal bleeding.

Key questions covered in lesson 2

Classification of high-risk pregnancies, maternal and fetal risk factors, and their clinical significance.

Causes of antepartum bleeding including placenta previa and placental abruption, diagnostic approaches, emergency management, monitoring, and prevention of complications.

Recommended reading for lesson 2

1. Jonathan S. Berek — *Berek and Novak's Gynecology*, 2020
2. Jonathan S. Berek — *Berek and Novak's Gynecology Essentials*, 2020
3. Monga A. — *Gynaecology by Ten Teachers*, 18th ed., 2000
4. Campbell S.; Lees Ch. — *Gynaecology by Ten Teachers*, 17th ed., 2004
5. Chohan A. — *Fundamentals of Gynaecology*, 2010
6. Arora S. — *Gynaecology. Self-Assessment and Review*, 2012
7. Bickerstaff H. — *Shaw's Textbook of Gynaecology*, 15th ed., 2011
8. Konar H. (D.C. Dutta) — *Gynaecology*, 5th ed., 2009

Topic 3: Physiology and pathology of labor: monitoring, biomechanics, and prevention of intrapartum obstetric complications.

Key questions covered in lesson 3

Physiology and stages of normal labor, mechanisms of delivery, and monitoring of labor progression.
Recognition and management of obstetric complications including dystocia, fetal distress, and postpartum hemorrhage, with emphasis on evidence-based clinical protocols.

Recommended reading for lesson 3

1. Jonathan S. Berek — *Berek and Novak's Gynecology*, 2020
2. Jonathan S. Berek — *Berek and Novak's Gynecology Essentials*, 2020
3. Monga A. — *Gynaecology by Ten Teachers*, 18th ed., 2000
4. Campbell S.; Lees Ch. — *Gynaecology by Ten Teachers*, 17th ed., 2004
5. Chohan A. — *Fundamentals of Gynaecology*, 2010
6. Arora S. — *Gynaecology. Self-Assessment and Review*, 2012
7. Bickerstaff H. — *Shaw's Textbook of Gynaecology*, 15th ed., 2011
8. Konar H. (D.C. Dutta) — *Gynaecology*, 5th ed., 2009

Topic 5: Neuroendocrine regulation and menstrual cycle disorders: differential diagnosis of amenorrhea and a multidisciplinary approach to PCOS treatment.

Key questions covered in lesson 5

Physiology and neuroendocrine regulation of the menstrual cycle. Classification of menstrual disorders including amenorrhea, oligomenorrhea, and abnormal uterine bleeding.
Diagnostic approach including hormonal evaluation, imaging techniques, and principles of management.

Recommended reading for lesson 5

1. Jonathan S. Berek — *Berek and Novak's Gynecology*, 2020
2. Jonathan S. Berek — *Berek and Novak's Gynecology Essentials*, 2020
3. Monga A. — *Gynaecology by Ten Teachers*, 18th ed., 2000
4. Campbell S.; Lees Ch. — *Gynaecology by Ten Teachers*, 17th ed., 2004
5. Chohan A. — *Fundamentals of Gynaecology*, 2010
6. Arora S. — *Gynaecology. Self-Assessment and Review*, 2012
7. Bickerstaff H. — *Shaw's Textbook of Gynaecology*, 15th ed., 2011
8. Konar H. (D.C. Dutta) — *Gynaecology*, 5th ed., 2009

Topic 6: Infertile marriage: current diagnostic algorithms, management strategies, and assisted reproductive technology (ART) options.

Key questions covered in lesson 6

Epidemiology and causes of infertility including male and female factors.
Structured diagnostic approach, role of hormonal studies and imaging, evaluation of reproductive function, and modern treatment options including assisted reproductive technologies.

Recommended reading for lesson 6

1. Hacker N.F.; Moore J.G. — *Essentials of Obstetrics and Gynecology*, 4th ed., 2004
2. Susan Stephenson; Julia Dmitrieva — *Obstetrics and Gynecology*, 2023
3. Betty Chou — *The Johns Hopkins Manual of Gynecology and Obstetrics*, 2021
4. Kirubamani N.H. — *Undergraduate Manual of Clinical Cases in Obstetrics and Gynaecology*, 2nd ed., 2021

Topic 7: Reproductive planning strategies: comparative analysis of contraceptive methods and family planning counseling.Key questions covered in lesson 7

Classification of contraceptive methods including hormonal, intrauterine, barrier, natural, and permanent methods. Mechanisms of action and physiological effects.

Comparative analysis, advantages and disadvantages, side effects, and principles of individualized patient counseling and selection.

Recommended reading for lesson 7

1. Hacker N.F.; Moore J.G. — *Essentials of Obstetrics and Gynecology*, 4th ed., 2004
2. Susan Stephenson; Julia Dmitrieva — *Obstetrics and Gynecology*, 2023
3. Betty Chou — *The Johns Hopkins Manual of Gynecology and Obstetrics*, 2021
4. Kirubamani N.H. — *Undergraduate Manual of Clinical Cases in Obstetrics and Gynaecology*, 2nd ed., 2021

Topic 8: Infectious and inflammatory diseases of the pelvic organs (PID): etiopathogenesis, modern diagnosis, and principles of comprehensive therapy.

Key questions covered in lesson 8

Etiology and pathogenesis of pelvic inflammatory diseases, common pathogens, and routes of infection.
Clinical presentation, diagnostic criteria, laboratory and imaging methods, treatment protocols, complications, and prevention strategies.

Recommended reading for lesson 8

Williams Gynecology – Barbara L. Hoffman et al., 2020.
Berek & Novak's Gynecology – Jonathan S. Berek, 2020.
DC Dutta's Textbook of Obstetrics and Gynecology – Hiralal Konar, 2023.

Topic 9: Sexually transmitted infections (STIs): syndrome-based management, treatment protocols, and prevention of reproductive loss.

Key questions covered in lesson 9

Epidemiology, classification, and clinical manifestations of sexually transmitted infections.
Diagnostic methods, principles of treatment, partner management, and prevention strategies.

Recommended reading for lesson 9

1. Hacker N.F.; Moore J.G. — *Essentials of Obstetrics and Gynecology*, 4th ed., 2004
2. Susan Stephenson; Julia Dmitrieva — *Obstetrics and Gynecology*, 2023
3. Betty Chou — *The Johns Hopkins Manual of Gynecology and Obstetrics*, 2021
4. Kirubamani N.H. — *Undergraduate Manual of Clinical Cases in Obstetrics and Gynaecology*, 2nd ed., 2021

Topic 11: Modern cervical screening programs: diagnosis and management strategies for precancerous cervical conditions (HPV, cytology).

Key questions covered in lesson 11

Role of cervical cancer screening programs including Pap smear and HPV testing.
Classification of precancerous lesions, colposcopy, biopsy, interpretation of results, and management strategies.

Recommended reading for lesson 11

1. Hacker N.F.; Moore J.G. — *Essentials of Obstetrics and Gynecology*, 4th ed., 2004
2. Susan Stephenson; Julia Dmitrieva — *Obstetrics and Gynecology*, 2023
3. Betty Chou — *The Johns Hopkins Manual of Gynecology and Obstetrics*, 2021
4. Kirubamani N.H. — *Undergraduate Manual of Clinical Cases in Obstetrics and Gynaecology*, 2nd ed., 2021

Topic 12: Gynecologic Oncology Vigilance: Early Diagnosis of Malignant Neoplasms and Management of the Menopausal Transition.

Key questions covered in lesson 12

Epidemiology, risk factors, and clinical features of gynecologic cancers (cervix, uterus, ovaries).
Diagnostic methods, staging, and treatment principles including surgical and oncological approaches.
Menopause: physiology, clinical manifestations, hormone replacement therapy, and alternative management strategies.

Recommended reading for lesson 12

1. Jonathan S. Berek — *Berek and Novak's Gynecology*, 2020
2. Jonathan S. Berek — *Berek and Novak's Gynecology Essentials*, 2020
3. Monga A. — *Gynaecology by Ten Teachers*, 18th ed., 2000
4. Campbell S.; Lees Ch. — *Gynaecology by Ten Teachers*, 17th ed., 2004
5. Chohan A. — *Fundamentals of Gynaecology*, 2010
6. Arora S. — *Gynaecology. Self-Assessment and Review*, 2012
7. Bickerstaff H. — *Shaw's Textbook of Gynaecology*, 15th ed., 2011
8. Konar H. (D.C. Dutta) — *Gynaecology*, 5th ed., 2009

Topic 13: Urogynecology: Clinical Presentation, Classification, and Modern Methods for Correcting Pelvic Organ Prolapse and Urinary Incontinence in Women.

Key questions covered in lesson 13

Classification, pathophysiology, and risk factors of pelvic organ prolapse and urinary incontinence.
Diagnostic evaluation, conservative and surgical management, rehabilitation, and prevention strategies.

Recommended reading for lesson 13

1. Jonathan S. Berek — *Berek and Novak's Gynecology*, 2020
2. Jonathan S. Berek — *Berek and Novak's Gynecology Essentials*, 2020
3. Monga A. — *Gynaecology by Ten Teachers*, 18th ed., 2000
4. Campbell S.; Lees Ch. — *Gynaecology by Ten Teachers*, 17th ed., 2004
5. Chohan A. — *Fundamentals of Gynaecology*, 2010
6. Arora S. — *Gynaecology. Self-Assessment and Review*, 2012
7. Bickerstaff H. — *Shaw's Textbook of Gynaecology*, 15th ed., 2011
8. Konar H. (D.C. Dutta) — *Gynaecology*, 5th ed., 2009

Methodological instructions for the implementation of independent work on the discipline

Individual and group tasks for Unit 1 "Outpatient Obstetrics"

Tasks for independent work of the student:

- Prepare a brief report on the components of the initial examination of a pregnant woman.
- Prepare an abstract on assessment of risk factors during pregnancy.
- Prepare a diagram summarizing laboratory and instrumental investigations in prenatal care.
- Prepare an essay on the development of an individualized prenatal care plan and patient counseling.
- Prepare a classification chart of high-risk pregnancy and maternal-fetal risk factors.
- Prepare an abstract on causes of antepartum bleeding (placenta previa, placental abruption, others).
- Prepare a flowchart of diagnostic approaches and emergency management of antepartum hemorrhage.
- Prepare a schematic on monitoring strategies and prevention of complications in high-risk pregnancy.
- Prepare an abstract on physiology and stages of normal labor.
- Prepare a diagram of mechanisms of childbirth.
- Prepare a flowchart of clinical monitoring of labor progression.
- Prepare an essay on obstetric complications (dystocia, fetal distress, postpartum hemorrhage) and their management.

Individual and group tasks for Unit 2 "Outpatient Gynecology and Reproductive Health"

Tasks for independent work of the student:

- Prepare an abstract on physiology and neuroendocrine regulation of the menstrual cycle.
- Prepare a classification table of menstrual cycle disorders (amenorrhea, oligomenorrhea, menorrhagia).
- Prepare a diagram of diagnostic approaches including hormonal evaluation and imaging.
- Prepare an essay on management strategies for menstrual disorders.
- Prepare a brief report on epidemiology and causes of infertility.
- Prepare a flowchart of the structured diagnostic approach for infertility.
- Prepare an abstract on medical and surgical management and assisted reproductive technologies.
- Prepare a comparative chart of contraceptive methods (hormonal, intrauterine, barrier, natural, permanent).
- Prepare a patient counseling guide for individualized contraception selection.
- Prepare an abstract on advantages, disadvantages, and side effects of contraceptive methods.
- Prepare a diagram on etiology and pathogenesis of inflammatory diseases of the pelvic organs.
- Prepare a table of common pathogens and routes of infection.
- Prepare an abstract on diagnostic criteria and treatment protocols.
- Prepare an essay on complications and prevention strategies of pelvic inflammatory diseases.
- Prepare a classification chart of sexually transmitted infections.
- Prepare a flowchart of diagnostic methods and treatment principles.
- Prepare a report on partner management and prevention strategies of STIs.

Individual and group tasks for Unit 3 "Oncological Urogynecology"

Tasks for independent work of the student:

- Prepare an abstract on cervical cancer screening methods (Pap smear, HPV testing).
- Prepare a flowchart of screening programs and follow-up strategies.
- Prepare a diagram of classification of precancerous cervical lesions.
- Prepare an abstract on colposcopy, biopsy, and histopathological interpretation.
- Prepare a report on epidemiology and risk factors of gynecologic cancers.
- Prepare a table comparing cancers of the cervix, uterus, and ovaries.
- Prepare a flowchart of diagnostic methods and staging.
- Prepare an essay on treatment strategies including surgical and oncological approaches.
- Prepare an abstract on menopause: physiology and clinical manifestations.
- Prepare a schematic of hormone replacement therapy and alternative management.

- Prepare a classification chart of pelvic organ prolapse and urinary incontinence.
- Prepare an abstract on pathophysiology and risk factors.
- Prepare a diagram of diagnostic evaluation methods.
- Prepare a schematic overview of conservative and surgical management.
- Prepare a report on rehabilitation and prevention strategies.

Informational resourses

1. https://www.who.int/home
2. https://www.nlm.nih.gov/
3. https://pubmed.ncbi.nlm.nih.gov/
4. https://www.cebm.net/
5. https://bestpractice.bmj.com/info/evidence-information/
6. https://www.cochrane-net.org/openlearning/
7. https://ktclearinghouse.ca/
8. https://www.cochranelibrary.com/
9. https://www.gfmer.ch/000_Homepage_En.htm
10. https://www.osmosis.org
11. https://www.rcog.org.uk/