



UNIwersytet  
Andrzeja Frycza Modrzewskiego  
w Krakowie

## Collegium Medicum Faculty of Medicine

### SUBJECT CARD

Field of studies: Medicine  
Form of studies: Full-time course  
Degree: long-cycle Master's program  
Specializations: No specialization  
Academic year: 2024/2025

GYNAECOLOGY	
<b>SUBJECT NAME</b>	Gynaecology
<b>NUMBER OF ECTS POINTS:</b>	4
<b>LANGUAGE OF INSTRUCTION</b>	english
<b>TEACHER(S)</b>	Assoc. Professor Paweł Szymanowski, MD, PhD Maciej Bodzek, MD, PhD Paulina Banach, MD, PhD Maciej Mączka, MD, PhD Dorota Maria Drózdź, MD Anna Golka-Leszczyńska, MD Marta Szaganiec, MD Katarzyna Szepieniec, MD Hanna Szweda, MD
<b>PERSON RESPONSIBLE</b>	Assoc. Professor Paweł Szymanowski, MD, PhD
NUMBER OF HOURS:	
<b>LECTURES:</b>	30 h
<b>CLASSES:</b>	45 h
GENERAL OBJECTIVES	

GYNAECOLOGY	
<b>OBJECTIVE 1:</b>	Providing students with a basic resource of information in the field of female genital tract diseases, basic diagnostic skills enabling independent examination and making simple diagnostic and therapeutic decisions.
<b>OBJECTIVE 2:</b>	Focusing on early diagnosis of gynaecological pathology, and the ability to early detect the threat of reproductive cancer. Principles of prophylaxis and treatment of female genital tract cancer.
LEARNING OUTCOMES	
<b>MK1</b>	<p>Knowledge: Student describes woman's reproductive system physiology, and pathology, as well as diagnostic and therapeutic procedures concerning in particular:</p> <ul style="list-style-type: none"> <li>a) the menstrual cycle and its disorders,</li> <li>b) genital system inflammation and cancer,</li> <li>c) birth regulation,</li> <li>d) menopause,</li> <li>e) basic methods diagnostics and gynaecological procedures.</li> </ul>
<b>MK2</b>	Knowledge: Student critically assesses research on cancer markers and proposes an optimal procedure.
<b>MK3</b>	Knowledge: Student can cooperate with multidisciplinary team, and uses specialized consultation when needed.
<b>MK4</b>	Knowledge: Student explains the causes, symptoms, principles of diagnosis and therapeutic management in the most common diseases requiring gynaecological intervention.
<b>MS1:</b>	Skills: Student recognizes the signs and symptoms of gynaecological pathology. Diagnoses by ultrasonography basic pathological images (e.g. ovarian cyst vs solid tumour).
<b>MS2:</b>	Skills: Student interprets the results of the physical examination and the results of additional tests indicating gynaecological pathology (cytology, colposcopy, ultrasonography, HSG, CT).
<b>MS3:</b>	Skills: Student has an ability to obtain an informed consent for treatment (including surgery).
<b>MC1:</b>	Social competency: Student shows respect for the patient and cares for his well-being.

## GYNAECOLOGY

**MC2:**

Social competency: Student adheres to ethical principles in his professional activity.

**MC3:**

Social competency: Student respects the patient's rights, including protection of personal data and intimacy.

**MC4:**

Social competency: Student is able to work in a team and effectively cooperates with representatives of other medical professions.

## INTRODUCTORY REQUIREMENTS

- [1] Knowledge of the anatomy, physiology and pathophysiology of the female reproductive system;
- [2] Ability to collect general medical history;
- [3] Knowledge of the principles of aseptics.

- [1] Knowledge of the basics of psychiatry (descriptive psychopathology and psychopathological syndromes, classification of mental disorders);
- [2] Ability to establish a relationship with the patient;

## GYNAECOLOGY

[3]  
Ability to conduct an interview and assess the psychological state.

COURSE PROGRAM	DESCRIPTION
<b>LECTURE 1:</b>	Endocrinology in different stages of women's life. Puberty. Menstrual cycle. Menopause. Hormonal replacement therapy of menopause. 2h
<b>LECTURE 2:</b>	Endocrine hormonal diagnostics in gynaecology. Hyperprolactinemia, pituitary tumours, hyperandrogenic syndromes. Polycystic ovary syndrome (PCOS). 2h
<b>LECTURE 3:</b>	Basics of gynaecological examination. Ultrasound in gynaecology. Other tests in the assessment of gynaecological diseases. 2h
	Endometriosis. 1h
	Pelvic inflammation. 1h
	Emergencies requiring urgent surgical intervention in gynaecology. 1h
	Prevention of malignant neoplasms of the female genital tract. Early diagnosis of reproductive system cancers. Cervical smear. Colposcopy. 1h
	Tumours of the ovary, fallopian tube and peritoneum. 1h
	Cervical cancer. 1h

## GYNAECOLOGY

	Malignant and benign tumours of the uterus, vagina and vulva. 2h
	Malignant and benign breast tumours. Breast diseases. 2h
	A modern view on gynaecological surgery. Diagnostic and operational laparoscopy in gynaecology. Diagnostic and operational hysteroscopy in gynaecology. Robotics in gynaecology. 2h
	Chemotherapy and radiotherapy in gynaecology and senology. 2h
	Palliative treatment in gynaecological diseases. 1h
	Pelvic organ prolapse in the era of an aging population. 2h
	Urinary incontinence - assessment and treatment. 2h
	Sexual preferences and inherited phenotypic sex disapproval syndrome. 1h
	Inflammation of the vagina. Sexually transmitted diseases. 2h
	Sex cycle disorders. Differential diagnosis of genital bleeding. Gynaecological hemorrhages - diagnosis and management. 2h
<b>CLASS 1:</b>	Gynaecological examination - phantom exercises. Preparation for gynaecological surgery. MSC 5 h
<b>CLASS 2</b>	Gynaecological outpatient clinic - a review of the most common cases. Interpretation of additional tests (USG, CT).
<b>CLASS 3</b>	Exercises in the patients room. Collecting medical history, observing patients before and after surgery. Patients assessment, gynaecological examination, recognition of signs and symptoms of gynaecological pathology.
<b>CLASS 4</b>	Observation of gynaecological procedures in the operating room, including possible assist in laparotomy, laparoscopy and hysteroscopy. Practical exercises in the operating room with the use of trainers (surgical, laparoscopic, robotic trainers) - Training room in the operating theatre. MCS 5 h
<b>CLASS 5</b>	Principles of prophylaxis in gynaecology. Assisting in collecting biological samples - cytology. Curettage of the uterine cavity, taking samples from the the vaginal part of cervix and cervical canal.

## GYNAECOLOGY

### DIDACTIC METHODS (APPLIED)

### DESCRIPTION

Lectures;  
Practice with patients;  
Discussion;  
Multimedia presentations;  
Gynaecological examination – every time with patient consent;  
Gynaecological examination-phantom exercises;  
Case study;  
Simulation center.

### STUDENTS WORKLOAD:

#### CONTACT HOURS WITH THE ACADEMIC TEACHER

75 hours

#### HOURS WITHOUT THE PARTICIPATION OF THE ACADEMIC TEACHER

Preparation for classes: 30 hours  
Preparation for the exam: 30 hours

#### TOTAL NUMBER OF HOURS FOR THE COURSE

135 hours

### CONDITIONS FOR COURSE COMPLETION

Attendance at all lectures and classes is obligatory. The condition for admission to the exam is passing the classes;

Class activity;

Single choice test;

Observation;

Oral exam.

### METHODS OF ASSESSMENT:

#### IN TERMS OF KNOWLEDGE:

1. Attendance at all classes (all absences from classes require an oral credit with the responsible teacher);
2. Passing the classes (no note) on the last class closing the subject block (answer to at least 2 of the three questions asked by the tutor)
3. Minimum 55 % of correct answers on the test exam;
4. Practical skills and Social competences are assessed by the tutor during the classes.

## GYNAECOLOGY

IN TERMS OF SKILLS:	Active participation in practical classes and oral test during the classes.
IN TERMS OF SOCIAL COMPETENCE:	Interviewing the patient, reporting the history of the disease and the information obtained in the team.
FORMATIVE:	Discussion of the case study and planning of diagnostics and further treatment in cooperation with the lecturer.
SUMMATIVE (I & II)	I term (EXAM): Single choice test (P13.) II term (RETAKE EXAM): Oral Exam (P3.)

## GRADING SCALE

3,0 (Satisfactory)	Test exam: 55%-60% Oral exam: Correct answer for minimum 2 questions required
3,5 (Satisfactory plus)	Test exam: 61%-68% Oral exam: Correct answer for minimum 2 questions required
4,0 (Good)	Test exam: 69%-75% Oral exam: Correct answer for minimum 2 questions required
4,5 (Good plus)	Test exam: 76%-80% Oral exam: Correct answer for minimum 2 questions required
5,0 (Very Good)	Test exam: 81%-100% Oral exam: Correct answer for minimum 2 questions required

## BASIC LITERATURE

[1] Hacker & Moore's Essentials of Obstetrics and Gynecology;

[2] 6th Edition. The Polish Society of Gynecologists and Obstetricians guidelines