

## Course description

### Part 1

General information about the course		
1. Major of study: medicine		2. Study level: unified MSc
		3. Form of study: intramural
4. Year: V		5. Semester: IX
6. Course name: Obstetrics and Gynecology (OB/GYN) – Core		
7. Course status: required		
8. Course objectives		
1	- providing students with a basic resource of information in gynecology and obstetrics	
2	Introduction to basic techniques of obstetrical and gynecological	
3	- to familiarize with the course of physiological childbirth, drawing attention to the assessment of the maternity	
4	- the ability to early diagnosis of cancer and the risk of cancer of the reproductive organ diseases and their prevention rules	
5	- provide students with basic information resource in obstetrics and gynecology, basic diagnostic skills enabling examination and making simple decisions diagnostic and therapeutic special attention to the assessment of obstetric pathology and diagnosis of pregnancy	
6	- rules for completing referrals for histopathological examination, rules for developing surgical material for histopathological examination, correct interpretation of the histopathological examination result	
7	- development of students' ethical, social and legal conditions for the practice of medicine and health promotion policies based on scientific evidence and accepted standards of conduct.	
8	- development of students' ability to talk with the patient and her family regarding the presence or suspected pathology and to lay further down the road diagnostic and therapeutic	
9	making students aware of the need to systematically supplement and update knowledge in the field discussed during the module	
<b>Learning outcomes / reference to learning outcomes indicated in</b> (underline as appropriate): education standards (Regulation of the Ministry of Science and Higher Education) / Resolution of the Senate of the Medical University of Silesia (indicate terms specified in education standards / signs of learning outcomes approved by the Resolution of the Senate of the Medical University of Silesia)		
Code	Outcomes in terms of	Effects
For knowledge student knows and understands:		
P_W01	development, structure and functions of the human body in normal and pathological conditions	F.W3, F.W7, F.W9, E.W5, D.W23, E.W5

P_W02	symptoms and course of diseases	F.W10
P_W03	methods of diagnostic and therapeutic procedures appropriate for specific disease states	F.W3, F.W9, E.W29, D.W23
P_W04	ethical, social and legal conditions for practicing the medical profession and the principles of health promotion, based on scientific evidence and accepted standards	F.W10, F.W3
P_W05	female reproductive functions, related disorders and diagnostic and therapeutic procedures concerning in particular: 1) the menstrual cycle and its disturbances, 2) pregnancy, 3) physiological and pathological childbirth and postpartum period, 4) genital cancers and inflammations, 5) birth control, 6) menopause, 7) basic diagnostic methods and gynecological procedures	F.W9, F.W10, E.W7, D.W23, F.W10
P_W06	rules of qualification for basic surgical procedures and invasive diagnostic and therapeutic procedures, rules of their performance and the most frequent complications	F.W3, F.W7, F.W9, E.W7, D.W23
P_W07	principles of perioperative safety, patient preparation for surgery, general and local anesthesia and controlled sedation	F.W4
P_W08	postoperative treatment with analgesic therapy and postoperative monitoring	F.W5
P_W09	the course and regulation of reproductive functions in women and men	B.W22
P_W10	aberrations of autosomes and heterosomes that cause disease, including oncogenesis and cancer	C.W7
P_W 11	basics of diagnostics of gene and chromosomal mutations responsible for hereditary and acquired diseases, including neoplastic diseases	C.W9
P_W 12	normal human karyotype and different types of sex determination	C.W3
P_W 13	genetic determinants of human blood groups and serological conflict in the Rh system	C.W6
For skills student can do:		
P_U01	identify life-threatening conditions that require immediate medical intervention	E.U14, E.U16, B.U10, F.U15, F.U14

P_U02	identify medical problems and prioritize medical management	E.U13, E.U16, E.U24
P_U03	plan the diagnostic procedure and interpret its results	E.U13, E.U16, E.U24
P_U04	implement appropriate and safe therapeutic treatment and predict its effects	E.U13, E.U16, E.U24
P_U05	communicate with the patient and his family in an atmosphere of trust, taking into account the needs of the patient	E.U13, E.U16, E.U24
P_U06	adhere to the principles of asepsis and antisepsis	F.U3
P_U07	recognize subjective and physical symptoms indicating the abnormal course of pregnancy (abnormal bleeding, contractions of the uterus)	F.U13
P_U08	interpret the results of physical examination of a pregnant woman (arterial pressure, functioning of the mother's and fetus' heart) and the results of laboratory tests proving the pathologies of pregnancy	F.U14
P_U09	interpret the cardiotocography (CTG)	F.U15
P_U10	recognize the beginning of labor and its incorrect duration	F.U16
P_U11	interpret subjective signs and symptoms during the time of confinement	F.U17
P_U12	establish recommendations, indications and contraindications concerning the use of contraceptive methods	F.U18
P_U13	identify indications for prenatal testing	C.U2
P_U14	make decisions about the need for cytogenetic and molecular tests	C.U3
For social competences student is ready to:		
P_K01	to establish and maintain deep and respectful contact with patients and to show understanding for differences in world views and cultures	D.W16, D.W18, D.U5, D.U14
P_K02	to be guided by the well-being of a patient	D.W16, D.U4, D.U5, D.U13, D.U14
P_K03	respect medical confidentiality and patients' rights	D.W16, D.U4, D.U5, D.U13, D.U14

P_K04	take actions towards the patient on the basis of ethical norms and principles, with an awareness of the social determinants and limitations of the disease	D.W16, D.U4, D.U5, D.U13, D.U14
P_K05	perceive and recognize own limitations and self-assessing educational deficits and needs	D.U15, D.U16
P_K06	promote health-promoting behaviors	D.W16, D.U4, D.U5, D.U13, D.U14
P_K07	use objective sources of information	D.W18, D.U13
P_K08	formulate conclusions from own measurements or observations	D.W16, D.U4, D.U5, D.U13, D.U14
P_K09	implement the principles of professional camaraderie and cooperation in a team of specialists, including representatives of other medical professions, also in a multicultural and multinational environment	D.W15
P_K010	assume responsibility for decisions taken in the course of their professional activities, including in terms of the safety of oneself and others	D.W16, D.U4, D.U5, D.U13, D.U14
P_K011	formulate opinions on the various aspects of the professional activity	D.W16, D.W18, D.U5, D.U14

#### Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Genital anatomy	P_W01	lecture/classes
2.	Physiological changes in pregnancy. Standards of physiological pregnancy.	P_W01, P_W10, P_W02, P_W05, P_U11, P_U13, P_U14, P_U06, P_K-1, P_K02, P_K06, P_K07	lecture/classes
3.	Prenatal tests.	P_W01, P_W02, P_W03, P_W05, P_W06, P_W07, P_W08, P_U10, P_U13, P_U02, P_U03, P_U05, P_U09, P_K01, P_K03, P_K08	lecture/classes
4.	Diagnostic tools for assessing fetal well-being.	P_W11, P_W12, P_W13, P_W02, P_W05, P_W06, P_W07, P_W08,	lecture/classes

		P_U01, P_U12, P_U13, P_U02, P_U03, P_U04, P_U05, P_U09, P_K11, P_K03, P_K04, P_K05, P_K06, P_K07		
5.	Normal delivery mechanism.	P_W10, P_W11, P_W02, P_W03, P_W04, P_W05, P_W06, P_W07, P_U14, P_U05, P_K05	lecture/classes	
6.	Normal puerperium.	P_W01, P_W13, P_W03, P_W04, P_U01, P_U10, P_U11, P_U12, P_U06, P_U07, P_U09, P_K10, P_K03, P_K07, P_K08	lecture/classes	
7.	Introduction to gynecological oncology.	P_W02, P_W03, P_W04, P_W05, P_W06, P_W07, P_U02, P_U05, P_K10, P_K02, P_K03, P_K04, P_K05, P_K07, P_K08, P_K09	lecture/classes	
8.	Oncological prevention in gynecology.	P_W02, P_W03, P_W04, P_W09, P_U10, P_U11, P_U03, P_U04, P_U05, P_U06, P_U07, P_U08, P_U09, P_K11, P_K09	lecture/classes	
9.	<p>Hypertension complicating pregnancy. Intrauterine fetal growth disorders.</p> <p>Heart disease in pregnancy. Rhesus isoimmunisation. Diabetes in pregnancy.</p> <p>Multiple pregnancy.</p> <p>Procreation issues. Contraception.</p> <p>Disorders of female pelvic organ prolapse.</p> <p>Endometriosis.</p> <p>Epidemiology and prevention of cancers of the female genital tract.</p> <p>Vacuum extractor and forceps delivery in modern obstetrics.</p> <p>Shoulder dystocia. Perinatal hysterectomy</p> <p>Endometrial neoplasms.</p> <p>Obstetric anatomy. Structure and physiology of the female genital organ. Developmental defects.</p> <p>Ultrasound in gynecology and oncological gynecology.</p> <p>Prenatal diagnosis.</p> <p>The most common haematological, neurological and gastrointestinal disorders in pregnant women.</p> <p>Ovarian tumors</p> <p>Cancer during pregnancy.</p> <p>The most common gynecological diseases requiring sudden surgical intervention.</p> <p>Acute surgical conditions in pregnancy</p>	<p>P_W05,</p> <p>P_W06,</p> <p>P_W10,</p> <p>P_U08,</p> <p>P_U09,</p> <p>P_U10,</p> <p>P_K08</p>	lecture/classes	
9. Number of hours for the course		240	10. Number of ECTS points for the course	11
11. Form of evaluation: exam				
12. Methods of verification and evaluation of learning outcomes				

Learning outcomes	Methods of verification	Methods of evaluation* / credit
Knowledge	Written evaluation – open questions Grade credit – MCQ	• <b>Test</b>
Skills	Report Observation Practical exam	• <b>Observation</b>
Competencies	Observation	• <b>Observation</b>

\* For exams and grade credits the following evaluation system has been assumed:

**Very good (5,0)** – the assumed learning outcomes have been achieved and significantly exceed the required level

**Better than good (4,5)** – the assumed learning outcomes have been achieved and slightly exceed the required level

**Good (4,0)** – the assumed learning outcomes have been achieved at the required level

**Better than satisfactory (3,5)** – the assumed learning outcomes have been achieved at the average required level

**Satisfactory (3,0)** – the assumed learning outcomes have been achieved at the minimum required level

**Unsatisfactory (2,0)** – the assumed learning outcomes have not been achieved