

MODULE (SUBJECT) SYLABUS

General information

Module name Gynecology, Obstetrics	
Type of module / course	<i>Obligatory</i>
PUM Department	<i>Faculty of Medicine and Dentistry</i>
Field of study	<i>medical</i>
Specialty	<i>not applicable</i>
Study level	<i>uniform master's studies</i>
Form of studies	<i>full-time and part-time studies</i>
Year, semester of study e.g. year 1, semester (I and II)	V block
Number of assigned ECTS credits (broken down by semesters)	gynecology 4 ECTS, obstetrics 4 ECTS
Forms of conducting classes	<u>Obstetrics</u> -V year - lectures / seminars / classes 100 h (9 h lectures; 34 h seminars; 61 h classes) <u>Gynecology</u> - Year 5 - seminars / exercises 88 h (9 h lectures; 30 h seminars; 49 h exercises)
Form of credit	<i>x test</i> <i>x credit with a grade</i> <i>- final exam:</i> <i>test x</i>
Unit manager	<i>Prof. dr hab. Zbigniew Celewicz, MD, PhD</i>
People conducting the classes with an indication of the didactic assistant professor or the person responsible for the subject	KPPiG < sekr.perinat@spsk1.szn.pl > <i>Prof. dr hab. Zbigniew Celewicz, MD, PhD</i> <u>Maciej Ziętek, MD, PhD</u> Anna Grzymała-Figura, MD, PhD Joanna Lewandowska, MD, PhD Aleksandra Majewska, MD, PhD KPiG < kpgn@pum.edu.pl > <i>Prof. dr hab. n. med. Andrzej Torbé</i>

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Unit website	https://old.pum.edu.pl/wydzialy/wydzial-lekarski#katedry-i-kliniki
Language of conducting classes	<i>Polish</i>

Detailed information

Module / course objectives	<p>The obstetrics curriculum is designed to prepare future general practitioners to assess the course of physiological pregnancy, maternal and fetal risk factors affecting the course of pregnancy, and to promote education in the field of health-promoting behavior in family planning.</p>
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		The gynecology curriculum is designed to prepare future doctors to find early symptoms of neoplastic diseases, prevent neoplastic diseases and screen them. It is also intended to help in the initial diagnosis of women's diseases and to spread education and pro-health behavior in this area. It also prepares for the diagnosis and treatment of fertility disorders and infections of the reproductive organ			
Prerequisites for	Knowledge	Knowledge of the anatomy and physiological functions of the reproductive organ			
	Skills	He is able to apply in practice the principles of asepsis and antisepsis. He knows the rules and can wash his hands surgically. Uses basic surgical tools, can examine a patient independently in terms of surgical and internal symptoms.			
	Social competences	I respect the University's property. Can cooperate in a group. Understands the need for self-education.			
Description of the learning outcomes for module (subject)					
no. learning effect	A student who has successfully completed the module (subject) knows / knows / is able to:	SYMBOL (reference to) Expected Learning Outcomes	Method of verification of learning outcomes *		
W01	knows and understands the causes, symptoms, principles of diagnosis and therapeutic management in relation to the most common diseases requiring surgical intervention, taking into account the distinctiveness of childhood, including in particular: a / acute and chronic obstetric conditions,	K_F.W1	Test final test. Theoretical test exam.		

	diseases occurring during pregnancy, b / proceedings during physiological and pathological delivery				
W02	knows the principles of qualification and performance of basic surgical procedures and invasive diagnostic and therapeutic procedures; diagnostic amniocentesis, chorionic villus sampling, cordocentesis. knows the principles of perioperative safety, patient preparation for surgery, general and local anesthesia and controlled sedation.	K_F.W3, K_F.W4	Test final test. Theoretical test exam.		
W03	knows the most common complications of the above-mentioned treatments and procedures	K_F.W4	Test final test. Theoretical test exam		
W04	knows the principles of perioperative safety, patient preparation for surgery, general and local anesthesia and controlled sedation	K_F.W4	Test final test. Theoretical test exam		
W05	knows postoperative treatment with analgesic therapy and postoperative monitoring	K_F.W5	Test final test. Theoretical test exam		
W06	knows the indications and principles of intensive therapy application, knows the current guidelines for cardiopulmonary resuscitation in newborns, children and adults;	K_F.W6, F.W7	Test final test. Theoretical test exam		
W07	knows the principles of operation of the integrated system of state medical rescue	K_F.W7	Test final test. Theoretical test exam		
W08	has knowledge of a woman's reproductive functions, related disorders as well as diagnostic and therapeutic procedures, in particular:	K_F.W9	Test final test. Theoretical test exam		

	<p>the menstrual cycle and its disorders,</p> <p>1st pregnancy,</p> <p>2.physiological and pathological delivery and puerperium,</p> <p>3.inflamations and neoplasms in the genital area,</p> <p>4.birth regulation,</p> <p>5.menopause,</p> <p>basic methods of diagnostics and gynecological procedures</p>				
W09	<p>has knowledge in the field of contemporary imaging studies, in particular knows:</p> <p>a.radiological symptomatology of basic diseases,</p> <p>b. instrumental methods and imaging techniques used to perform therapeutic procedures,</p> <p>indications, contraindications and preparation of patients for specific types of imaging tests and contraindications to the use of contrast agents</p>	<p>K_FW9</p> <p>K_F.W.10</p>	<p>Test final test</p> <p>Theoretical test exam</p>		
W10	<p>He knows the methods of relieving labor pain</p>	<p>K_F W.4</p> <p>K_FW.7</p>	<p>Test final test.</p> <p>Theoretical test exam</p>		
W11	<p>He knows the reference perinatal health care system</p>	<p>K_FW.8</p>	<p>Test final test.</p> <p>Theoretical test exam</p>		
W12	<p>knows the issues of contemporary imaging tests, in particular: a) radiological symptomatology of basic diseases, b) instrumental methods and imaging techniques used to perform therapeutic procedures, c) indications, contraindications and preparation of patients for particular types of</p>	<p>K_F.W10</p>	<p>Test final test.</p> <p>Theoretical test exam</p>		

	imaging tests and contraindications to the use of contrast agents;				
U01	assists in a typical surgical procedure, prepares the operating field and locally anesthetizes the operated area	K_F.U1	Test final test. Theoretical test exam		
U02	assists in the following medical procedures and treatments: a / transfusion of blood products and blood products	K_F.U2	Test final test. Theoretical test exam		
U03	Can plan specialist consultations	K_E.U1	Test final test. Theoretical test exam		
U04	recognizes signs and symptoms of an abnormal course of pregnancy (abnormal bleeding, uterine contractions);	K_FU13	Test final test. Theoretical test exam		
U05	interprets the results of the physical examination of the pregnant woman (blood pressure, fetal heart rate) and the results of laboratory tests showing pregnancy pathologies	K_FU13 K_FU14	Test final test. Theoretical test exam		
U06	interprets the record of cardiotocography (KTG);	K_F.U15	Test final test. Theoretical test exam		
U07	recognizes the commencement of labor and its incorrect duration	K_FU16	Test final test. Practical exam. Theoretical test exam		
U08	interprets signs and symptoms during the puerperium	K_FU17	Test final test. Theoretical test exam		
U09	establishes recommendations, indications and contraindications regarding the use of contraceptive methods;	K_FU18	Test final test. Theoretical test exam		
K01	is aware of the patient's rights		Test final test. Theoretical test exam		
K02	can keep a medical secret		Test final test. Theoretical test exam		

K03	collaborates in a group		Test final test. Theoretical test exam		
K04	has a habit of self-education		Test final test. Theoretical test exam		

Table of learning outcomes for the module (course) in relation to the forms of classes

SYMBOL (reference to) Expected Learning Outcomes	Form of didactic classes							
	Lecture	Seminar	Exercise	Clinical exercises	simulations - low fidelity	other..
K_F.W1	X	X		X	X			
K_F.W3, K_F.W4	X	X		X	X			
K_F.W4	X	X		X	X			
K_F.W5	X	X		X	X			
K_F.W5	X	X		X	X			
K_F.W6, F.W7	X	X		X				
K_F.W9	X	X		X				
K_F.W10	X	X		X	X			
K_F.U1		X		X				
K_F.U2		X		X				
K_E.U1				X				
K_F.U13				X				
K_F.U14				X				
K_F.U15			X	X				
K_F.U16		X	X	X				
K_F.U17			X	X				
K_F.U18			X	X	X			

no. learning content	Description of the content of education	number of hours	Reference to the learning outcomes for the module (item number of learning outcomes)
Seminars:			
obstetrics:			
TK01	Pregnancy physiology. Physiology and pathology of puerperium. Drugs and pregnancy.	2.4h	W01, W02, W04, W08, W10

			U01, U03, U04, U05, U06, U07, U08, U09
TK02	Physiological delivery. Pathological childbirth.	2.4h	W01, W02, W03, W04, W05, W08, W09, W10 U01, U02, U04, U05, U06, U07, U08
TK03	Diagnostic methods in obstetrics and gynecology	2.4h	W02, W03, W04, W05 U01, U02, U03, U04, U05, U06
TK04	Restriction of Intrauterine Growth of the Fetus (IUGR). Physiology and pathology of the amniotic fluid.	2.4h	W08, W09, W11 U01, U03, U04, U05, U06
TK05	Complications of early pregnancy. Pregnancy trophoblastic disease	2.4h	W01, W02, W03, W04, W05, W07, W08, W09 U01, U02, U03, U04, U05, U09
TK06	Multiple pregnancy	2.4h	W01, W02, W03, W04, W05, W06, W08, W09 U01, U02, U03, U04, U05, U06, U07, U08
TK07	Premature delivery.	2.4h	W01, W04, W05, W06, W09, W10 U01, U02, U03, U04, U05, U06, U07
TK08	Bleeding in the second half of pregnancy. Postpartum hemorrhage.	2.4h	W01, W03, W04, W05, W06, W09 U01, U02, U03, U04, U05, U07, U08
TK09	Haemostasis disorders in pregnancy. Anemia.	2.4h	W01, W03, W04, W05, W06, W09 U02, U03, U04, U05, U08
TK10	Mother's diseases complicating the course of pregnancy.	2.4h	W01, W04, W06, W08, W09 U01, U02, U03, U04, U05, U06, U07, U08, U09
TK11	Endocrine disorders in pregnancy	2.4h	W01, W08, W09

			U03, U05, U06, U07, U08, U09
TK12	Hypertension in pregnant women. Kidney and liver disease in pregnancy.	2.4h	W01, W02, W03, W04, W05, W06, W09, W10, W12 U01, U02, U03, U04, U05, U06, U07, U08, U09
TK13	Fetal diagnosis and therapy	2.4h	W01, W02, W03, W04, W05, W06, W08, W09, W10, W11, W12 U01, U02, U03, U04, U05, U06, U07
TK14	Genetic diagnosis in pregnancy. Ethical and legal issues in obstetrics	2.4h	W02, W03, W04, W11, W12 U01, U03, U05, U09
gynecology			
TK1	Sex cycle and disorders of the menstrual cycle.	2.5h	W08, W09, W12 U03, U09
TK2	Puberty, sexual development disorders.	2.5h	W08, W09, W12 U03, U09
TK3	Premenopausal and postmenopausal period.	2.5h	W08, W09, W12 U03, U09
TK4	Family planning and contraception	2.5h	W08, W09, W12 U03, U09
TK5	Fertility disorders.	2.5h	W08, W09, W12 U03, U09
TK6	Disorders of the statics of the reproductive organ. Urinary incontinence.	2.5h	W01, W02, W03, W04, W05, W06, W08, W09, W12 U01, U02, U03, U09
TK7	Endometriosis. Pelvic pain syndrome. Non-cancerous changes of the ovary.	2.5h	W01, W02, W03, W04, W05, W06, W08, W09, W12 U01, U02, U03, U09

TK8	Developmental and acquired defects of female genital organs. Sex differentiation disorders	2.5h	W01, W02, W03, W04, W05, W06, W08, W09, W12 U01, U02, U03, U09
TK9	Genital infections. Urgencies in gynecology. Dealing with a victim of sexual violence. Operative treatment in gynecology.	2.5h	W01, W03, W04, W05, W06, W08, W09, W11, W12 U01, U02, U03, U09
TK10	Pre-neoplastic and neoplastic changes of the cervix.	2.5h	W01, W03, W04, W05, W06, W08, W09, W11, W12 U01, U02, U03, U09
TK11	Uterine fibroids and malignant neoplasms of the endometrium	2.5h	W01, W03, W04, W05, W06, W08, W09, W11, W12 U01, U02, U03, U09
TK12	Tumors of the ovary, vulva and vagina.	2.5h	W01, W03, W04, W05, W06, W08, W09, W11, W12 U01, U02, U03, U09

Exercises:

obstetrics

TK01	<p>The subjective and physical examination of a woman in the field of physiology and pathology of the reproductive organ. Examination and Separation of the Examination of a Pregnant Woman. Symptoms of danger to the fetus, preterm delivery and full term delivery.</p> <p>Practical exercises on low-fidelity phantoms in the field of:</p> <ul style="list-style-type: none"> - female bone pelvis anatomy - treating the perineal incision - physiological delivery - labor in the longitudinal pelvic position. 	56h	W01-W12 U01-U09 K01-K04
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	<p>Practical exercises for evaluation and interpretation:</p> <ul style="list-style-type: none"> - KTG - signs of danger to the fetus. - Ultrasound examination of a pregnant woman in early pregnancy in the 1st, 2nd and 3rd trimester. - prenatal examinations, signs of harm to the fetus and the most common abnormalities during pregnancy: - oligohydramnios, polyhydramnios, - disturbances in blood flow through the umbilical cord, venous duct and the middle artery of the brain. - assessment of blood flow velocity in the middle cerebral artery in serological conflict - assessment of postpartum changes in the reproductive organ - lactation and breastfeeding 				
TK02	<p>Practical exercises on high-fidelity phantoms in the field of:</p> <ul style="list-style-type: none"> - physiological delivery - labor in the longitudinal pelvic position. 	5 h	W01-W12 U01-U09 K01-K04		
gynecology					
TK01	<p>The subjective and physical examination of a woman in the field of physiology and pathology of the reproductive organ.</p> <p>Practical exercises on low-fidelity phantoms for the treatment of skin wounds.</p> <p>Assistance in collecting material for cytological examination, endometrial biopsy and changes in the urogenital area for histopathological examination.</p> <p>Practical exercises in the scope of assessment and interpretation of ultrasound examination of the reproductive organ.</p>	45 h	W01-W12 U01-U09 K01-K04		

	Participation in medical visits, changes of dressings, qualifications for surgery and minor gynecological procedures. Assistance and participation in gynecological surgeries and minor gynecological procedures.				
TK02	Practical exercises on high-fidelity phantoms for the treatment of skin wounds. collection of material for cytological examination, endometrial biopsy and changes in the urogenital area for histopathological examination.	4 h	W01-W12 U01-U09 K01-K04		
Recommended literature:					
Compulsory literature					
1. "Obstetrics and Gynecology - a textbook for students t 1-2 "- edited by G. Bręborowicz Warsaw 2005 reprint 2010 PZWL					
2. "Practical obstetrics "- edited by W. Pschyrembel, J. Dudenhausen, VI edition Warsaw 2010 PZWL					
Supplementary literature					
1. "High-risk pregnancy" - edited by G. Bręborowicz					
2. "Diagnostics and treatment of endocrine disorders in gynecology" - P. Skalba					
3. "Gynecological Oncology" - edited by J. Markowska					
4. "Gynecology from theory to practice" - edited by A. Brodowska					
Student workload (balance of ECTS points)					
Form of student workload (participation in classes, activity, preparation of reports, etc.)	Student load [h]				
	In the teacher's opinion (opinion)	In the assessment (opinion) student	Average		
Contact hours with the teacher	P-110 G-95				
Preparation for exercises / seminar	73				
Reading the indicated literature	90				
Writing a report from the laboratory / exercises / preparation of a project / paper, etc.	0				
Preparation for a test / postcard	2				
Preparation for the exam	160				
Other					
Total student workload	530				

ECTS points for a module / course	4 obstetrics + 4 gynecology			
Comments				

* Examples of ways to verify the learning outcomes:

EP - written exam

EU - oral exam

ET - test exam

EPR - Practical Exam

K - test

R - paper

S - practical skills test

RZĆ - exercise report with a discussion of the results

O - assessment of the student's activity and attitude

SL - laboratory report

SP - case study

PS - assessment of the ability to work independently

W - a card game before the start of classes

PM - multimedia presentation

and other

List of seminars for V year English Program 2020/2021

1. Physiology of pregnancy
2. Physiological delivery
3. Pathological delivery
4. Physiology and pathology of puerperium. Drugs and pregnancy
5. Diagnostic methods in obstetrics and perinatology. Fetal diagnosis and therapy. Genetic diagnosis in pregnancy. Ethical and legal issues in obstetrics
6. Physiology and pathology of the amniotic fluid. Fetal Growth Restriction (FGR)
7. Complications of early pregnancy. Pregnancy trophoblastic disease
8. Multiple pregnancy

9. Premature delivery
10. Bleeding in the second half of pregnancy. Postpartum hemorrhage
11. Haemostasis disorders in pregnancy. Anemia
12. Mother's diseases complicating the course of pregnancy
13. Endocrine disorders in pregnancy
14. Hypertension in pregnant women. Kidney and liver disease in pregnancy