



COURSE SYLLABUS
General Information

Module name Gynecology, Obstetrics	
Type of module/ course	Obligatory
PUM Department	Faculty of Medicine and Dentistry
Field of study	Medical
Specialty	Not applicable
Study level	<i>Uniform master's studies</i>
Forma studiów	Full-time/part-time studies
Year, semester of study e.g. year 1, semester (I and II)	V block
Number of assigned ECTS credits (broken down by semesters)	Obstetrics 5 ECTS, Gynecology 4 ECTS
Forms of conducting classes	<u>Obstetrics</u> Lectures (e-learning): 9 hours Seminars: 34 hours, Practical classes: 56 hours Practical classes in CSM: 5 hours. Total: 104 hours <u>Gynecology</u> Lectures (e-learning): 9 hours Seminars: 30 hours, Practical classes: 45 hours Practical classes in CSM: 4 hours. Total: 88 hours
Form of credit	<ul style="list-style-type: none">- Credit with a grade:<ul style="list-style-type: none">descriptive<u>test-based</u>practicaloral- Final exam:<ul style="list-style-type: none">descriptive<u>test-based</u>practicaloral
Unit manager	Prof. dr hab. n. med. Andrzej Torbé Klinika Położnictwa i Ginekologii PUM kpgn@pum.edu.pl tel. 91 466 13 50 Szczecin, Al. Powstańców Wielkopolskich 72

<p>People conducting the classes with an indication of the didactic assistant professor or the person responsible for the subject</p>	<p>KPiG kpgn@pum.edu.pl, tel. 91 466 13 50 Prof. dr hab. n. med. Andrzej Torbé Prof. dr hab. n. med. Sebastian Kwiatkowski e mail: sebastian.kwiatkowski@pum.edu.pl dr n. med. Wioletta Mikołajek-Bedner e mail: wioletta.bedner@wp.pl <u>dr n. med. Małgorzata Sokołowska</u> e mail: malgorzata.sokolowska@pum.edu.pl dr n. med. Magdalena Bednarek-Jędrzejek e mail: madalena.bednarek.jedrzejek@pum.edu.pl</p> <p>KPPiG klmp@pum.edu.pl tel. 91 425 39 11 dr hab. n. med. Maciej Ziętek <u>dr n. med. Anna Grzymała-Figura</u> e mail: sek.perinat@usk1.szczecin.pl</p> <p>KGEiOG klginuro@pum.edu.pl tel. 91 425 05 41 Prof. dr hab. n. med. Andrzej Starczewski <u>dr n. med. Jolanta Nawrocka-Rutkowska</u> e mail: sekr.ginuro@usk1.szczecin.pl</p> <p>KGOiOGDiD katklgin@pum.edu.pl tel. 91 466 13 32 Prof. dr hab. n. med. Janusz Menkiszak <u>dr n. med. Ryszard Bedner</u> e mail: ryszard.bedner@poczta.wp.pl</p> <p>OKGRO ginekologia.rekonstrukcyjna@spsk2-szczecin.pl, tel. 91483 86 32 <u>Prof. dr hab. n. med. Aneta Cymbaluk-Płaska</u> e mail: ginekologia.rekonstrukcyjna@usk2.szczecin.pl</p>
<p>The name and contact details of the unit</p>	<p>Klinika Położnictwa i Ginekologii kpgn@pum.edu.pl tel. 91 466 13 50 / Szczecin, al. Powstańców Wielkopolskich. 72</p> <p>Klinika Perinatologii, Położnictwa i Ginekologii klmp@pum.edu.pl tel. 91 425-3911, / Police, ul. Siedlecka 2</p> <p>Klinika Ginekologii, Endokrynologii i Onkologii Ginekologicznej klginuro@pum.edu.pl tel. 91 425 05 41 / Szczecin, ul. Unii Lubelskiej 1</p> <p>Katedra i Klinika Ginekologii Operacyjnej i Onkologii Ginekologicznej Dorosłych i Dziewcząt katklgin@pum.edu.pl tel. 91 466 13 32 / Szczecin, al. Powstańców Wlkp. 72</p> <p>Oddział Kliniczny Ginekologii Rekonstrukcyjnej i Onkologicznej ginekologia.rekonstrukcyjna@usk2.szczecin.pl tel. 91 483 86 32 / Szczecin, al. Powstańców Wlkp. 72</p>
<p>Unit website</p>	<p>https://www.pum.edu.pl/uniwersytet/dydaktyka_i_leczenie/kliniki_katedry_zaklady_i_pracownie/wm/katedra_i_klinika_poloznictwa_i_ginekologii/</p> <p>https://www.pum.edu.pl/studenci/informacje_z_jednostek/wm/klinika_perinatologii_poloznictwa_i_ginekologii/</p> <p>https://www.pum.edu.pl/studenci/informacje_z_jednostek/wm/klinika_ginekologii_endokrynologii_i_onkologii_ginekologicznej/</p> <p>https://usk2.szczecin.pl/page/62</p> <p>https://www.pum.edu.pl/uniwersytet/dydaktyka_i_leczenie/kliniki_katedry_zaklady_i_pracownie/wm/klinika_ginekologii_rekonstrukcyjnej_i_onkologicznej/</p>
<p>Language of conducting classes</p>	<p>English</p>

Detailed information

Module / course objectives		<p>Training future general practitioners to assess the course of a physiological pregnancy, the risk factors from the mother and fetus that impact the pregnancy, and to promote education on health behaviors in family planning.</p> <p>Training future doctors to identify early symptoms of cancer, cancer prevention, screening, preliminary diagnosis of women's diseases, and to promote education and health behaviors in this area. Preparing them to diagnose and treat fertility disorders and reproductive organ infections.</p>
Prerequisite requirements in the field of	Knowledge	Knowledge of the anatomy and physiological functions of the reproductive organs.
	Skills	Able to apply the principles of asepsis and antisepsis in practice. Knows the principles and is able to perform surgical hand washing. Proficient in using basic surgical instruments. Able to independently examine a patient in terms of surgical and internal medicine symptoms.
	Social competences	Respects the property of the University. Able to work effectively in a team. Understands the need for self-education.

Learning outcomes			
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	Will present the principles of qualification for basic surgical procedures and invasive diagnostic and therapeutic procedures, the principles of performing them, and the most common complications.	F.W3	K. ET, EU
W02	Will explain the reproductive functions of women, disorders associated with them, and diagnostic and therapeutic management, particularly regarding: <ol style="list-style-type: none"> 1. Menstrual cycle and its disorders 2. Pregnancy 3. Physiological and pathological childbirth and postpartum period 4. Infections and cancers within the genital organs 5. Birth control regulation 6. Menopause 7. Basic methods of gynecological diagnostics and procedures 	F.W9	K. ET, EU
W03	Describes the basic methods of fetal diagnostics and therapy.	E.W5	K, ET, EU
U01	Assists in a typical surgical procedure, prepares the surgical field, and provides local anesthesia to the operated area.	F.U1	S, O, PS, SP
U02	Uses basic surgical instruments.	F.U2	S, O, PS, SP
U03	Applies the principles of asepsis and antisepsis.	F.U3	S, O, PS, SP
U04	Treats a simple wound, applies and changes a sterile surgical dressing.	F.U4	S, O, PS, SP
U05	Performs examination of the breasts, lymph nodes, thyroid gland, and abdominal cavity with regard to acute abdomen, and conducts a digital rectal examination.	F.U6	S, O, PS, SP
U06	Controls external hemorrhage.	F.U9	S, O, PS, SP
U07	Performs basic resuscitation procedures using an automated external defibrillator (AED) and other emergency measures, and provides first aid.	F.U10	S, O, PS, SP
U08	Monitors the patient's condition in the postoperative period based on basic vital signs.	F.U12	S, O, PS, SP

U09	Identifies subjective and objective symptoms indicating an abnormal course of pregnancy (abnormal bleeding, uterine contractions).	F.U13	S, O, PS, SP
U10	Interprets the results of physical examination of the pregnant woman (blood pressure, maternal and foetal heart rate) and laboratory test results indicating pregnancy-related pathologies.	F.U14	S, O, PS, SP
U11	Interprets the cardiotocography (CTG) recording.	F.U15	S, O, PS, SP
U12	Recognizes the onset of labour and abnormal duration of labour.	F.U16	S, O, PS, SP
U13	Interprets subjective and objective symptoms during the postpartum period.	F.U17	S, O, PS, SP
U14	Establishes recommendations, indications, and contraindications for the use of contraceptive methods.	F.U18	S, O, PS, SP
K01	Establishes and maintains a deep and respectful relationship with the patient, while also showing understanding of worldview and cultural differences.	K.1	O
K02	Acts in the best interest of the patient.	K.2	O
K03	Respects medical confidentiality and patient rights.	K.3	O
K04	Takes action toward the patient based on ethical principles, with an awareness of the social conditions and limitations resulting from the illness.	K.4	O
K05	Formulates conclusions based on their own measurements or observations.	K.8	O
K06	Implements the principles of professional camaraderie and teamwork among specialists, including representatives of other medical professions, also in a multicultural and multinational environment.	K.9	O
K07	Takes responsibility for decisions made in the course of professional activities, including in terms of the safety of oneself and others.	K.11	O

Table of Learning Outcomes in relation to the form of classes.

no. learning effect	Learning outcomes	Form of classes						
		Lecture	Seminar	Exercise	Clinical exercises	simulations	E-learning	Other forms
W01	F.W3		x				x	
W02	F.W9		x				x	
W03	E.W5		x				x	
U01	F.U1				x	x		
U02	F.U2				x	x		
U03	F.U3				x	x		
U04	F.U4				x	x		
U05	F.U6				x			
U06	F.U9				x	x		
U07	F.U10				x	x		
U08	F.U12				x	x		
U09	F.U13				x	x		
U10	F.U14				x	x		
U11	F.U15				x	x		
U12	F.U16				x	x		
U13	F.U17				x	x		
U14	F.U18				x	x		
K01	K.1				x			
K02	K.2				x			
K03	K.3				x			
K04	K.4				x			
K05	K.8				x			

K06	K.9				x			
K07	K.11				x			

Table of curriculum content

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)
GYNECOLOGY			
Lectures (e-learning)		9h	
TK01	Cervical cancer	1	F.W3, F.W9
TK02	Ovarian cancer	1	F.W3, F.W9
TK03	Endometrial cancer	1	F.W3, F.W9
TK04	Vaginal and Vulvar cancer	1	F.W3, F.W9
TK05	Oncological vigilance	1	F.W3, F.W9
TK06	Urinary incontinence	1	F.W3, F.W9
TK07	Endometriosis	1	F.W3, F.W9
TK08	Fertility disorders	1	F.W3, F.W 9
TK09	Sexual organ infections	1	F.W3, F.W9
Lectures		30h	
TK01	Introduction to gynecology: premenopausal and postmenopausal periods	2,5	F.W3, F.W9
TK02	Sex cycle and disorders of the menstrual cycle.	2,5	F.W3, F.W9
TK03	Puberty, disorders of sexual development. Congenital anomalies of the female reproductive organs. Disorders of sex differentiation	2,5	F.W3, F.W9
TK04	Family planning and contraception	2,5	F.W3, F.W9
TK05	Fertility disorders.	2,5	F.W3, F.W9
TK06	Endometriosis. Pelvic pain syndrome	2,5	F.W3, F.W9
TK07	Pelvic Organ Prolapse and urinary incontinence	2,5	F.W3, F.W9
TK08	Genital infections	2,5	F.W3, F.W9
TK09	Vulvar and vaginal cancers		
TK10	Pre-neoplastic and neoplastic changes of the cervix	2,5	F.W3, F.W9
TK11	Uterine fibroids and malignant neoplasms of the endometrium	2,5	F.W3, F.W9
TK12	Ovarian cancer	2,5	F.W3, F.W9
Practical exercises		45h	
TK01	Subjective and objective examination of women in the field of physiology and pathology of the reproductive organs – part 1	7	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U18, K.1, K.2, K.3, K.4, K.8, K.9, K.11
TK02	Subjective and objective examination of women in the field of physiology and pathology of the reproductive organs – part 2	7	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U18, K.1, K.2, K.3, K.4, K.8, K.9, K.11
TK03	Participation in medical visits, dressing changes, qualifications for surgery, and minor gynaecological procedures.	7	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U18, K.1, K.2, K.3, K.4, K.8, K.9, K.11
TK04	Assistance in collecting samples for cytological examination, endometrial biopsy, and histopathological examination of lesions in the urogenital area	6	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U18, K.1, K.2, K.3, K.4, K.8, K.9, K.11
TK05	Practical exercises on low-fidelity phantoms in skin wound dressing	6	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U18, K.1, K.2, K.3, K.4, K.8, K.9, K.11
TK06	Practical exercises in ultrasound examination of the female reproductive organs	6	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U18, K.1, K.2, K.3, K.4, K.8, K.9, K.11

TK07	Assistance and participation in gynaecological surgeries and minor gynaecological procedures	6	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U18, K.1, K.2, K.3, K.4, K.8, K.9, K.11
Simulation		4h	
TK01	Practical exercises on high-fidelity phantoms in skin wound dressing. Collection of samples for cytological examination, endometrial biopsy, and histopathological examination of lesions in the urogenital area	4	F.U4; F.U6; F.U9, K.9
OBSTETRICS			
Lectures (e-learning)		9h	
TK01	Physiological delivery	1	F.W3, F.W 9
TK02	Complications of early pregnancy	1	F.W3, F.W 9
TK03	Postpartum hemorrhage	1	F.W3, F.W 9
TK04	Hypertension in pregnancy	1	F.W3, F.W 9
TK05	Metabolic and endocrine disorders in pregnancy	1	F.W3, F.W 9
TK06	Physiology of pregnancy. Antenatal care. Postpartum physiology and pathology.	1	F.W3, F.W 9
TK07	Diagnostic methods in perinatology. Foetal growth restriction	1	F.W3, F.W 9, E.W5
TK08	Multiple pregnancy. Diagnostic methods. Foetal therapy.	1	F.W3, F.W 9, E.W5
TK09	Maternal diseases complicating pregnancy. Medications and pregnancy.	1	F.W3, F.W 9
Lectures		34h	
TK01	Physiology of pregnancy. Puerperium physiology and pathology. Medications and pregnancy.	2,5	F.W3, F.W 9
TK02	Physiological delivery	2,5	F.W3, F.W 9
TK03	Diagnostic Methods in Obstetrics and Perinatology	2,5	F.W3, F.W 9, E.W5
TK04	Fetal growth restriction. Physiology and pathology of amniotic fluid	2,5	F.W3, F.W 9
TK05	Complications of early pregnancy. Pregnancy trophoblastic disease	2,5	F.W3, F.W 9
TK06	Multiple pregnancy	2,5	F.W3, F.W 9
TK07	Premature delivery	2,0	F.W3, F.W 9
TK08	Bleeding in the second half of pregnancy. Postpartum hemorrhage	2,5	F.W3, F.W 9
TK09	Haemostasis disorders in pregnancy. Anemia	2,5	F.W3, F.W 9
TK10	Heart diseases and large vessel disorders during pregnancy	2,0	F.W3, F.W 9
TK11	Endocrine disorders in pregnancy	2,5	F.W3, F.W 9
TK12	Hypertension in pregnant women. Kidney and liver disease in pregnancy	2,5	F.W3, F.W 9
TK13	Fetal diagnosis and therapy	2,5	F.W3, F.W 9
TK14	Genetic testing during pregnancy: legal, ethical, and moral issues in obstetrics	2,5	F.W3, F.W 9, E.W5
Practical exercises		56h	
TK01	Subjective and objective examination of women in terms of physiology and pathology of the reproductive organs. Examination and distinct features of examining a pregnant woman – part 1.	7	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U13; F.U14; F.U15; F.U16; F.U17, K.1-4, K.8, K.9, K.11
TK02	Subjective and objective examination of women in terms of physiology and pathology of the reproductive organs. Examination and distinct features of examining a pregnant woman – part 2.	7	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U13; F.U14; F.U15; F.U16; F.U17, K.1-4, K.8, K.9, K.11
TK03	Symptoms of foetal compromise, preterm labour, and term labour. Practical exercises in assessment and interpretation. - CTG (Cardiotocography): Identification of signs of foetal distress - Ultrasound examination of a pregnant woman in early pregnancy in the 1st, 2nd and 3rd trimester.	7	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U13; F.U14; F.U15; F.U16; F.U17, K.1, K.2, K.3, K.4, K.8, K.9, K.11

TK04	<p>Practical exercises in the assessment and interpretation of:</p> <ul style="list-style-type: none"> - CTG (Cardiotocography): Identification of signs of fetal distress - Ultrasound examination of a pregnant woman in early pregnancy in the 1st, 2nd and 3rd trimester. - prenatal tests (screening and diagnostic procedures), symptoms of compromise of 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. <p>assessment of blood flow velocity in the middle cerebral artery in serological conflict</p>	7	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U13; F.U14; F.U15; F.U16; F.U17, K.1, K.2, K.3, K.4, K.8, K.9, K.11
TK05	<p>Practical Exercises in the assessment and interpretation of:</p> <ul style="list-style-type: none"> - CTG (Cardiotocography): Identification of signs of fetal distress - Ultrasound examination of a pregnant woman in early pregnancy in the 1st, 2nd and 3rd trimester. - prenatal tests (screening and diagnostic procedures), symptoms of compromise of 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 	7	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U13; F.U14; F.U15; F.U16; F.U17, K.1, K.2, K.3, K.4, K.8, K.9, K.11
TK06	<p>Practical exercises in the assessment and interpretation of:</p> <ul style="list-style-type: none"> - postpartum changes in the female reproductive system - lactation and breastfeeding 	7	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U13; F.U14; F.U15; F.U16; F.U17, K.1-4, K.8, K.9, K.11
TK07	<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 foetal distress, symptoms of preterm delivery and full term delivery.</p>	7	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U13; F.U14; F.U15; F.U16; F.U17, K.1-4, K.8, K.9, K.11
TK08	<p>Practical exercises for evaluation and interpretation:</p> <ul style="list-style-type: none"> - CTG - signs foetal distress - Ultrasound examination of a pregnant woman in early pregnancy in the 1st, 2nd and 3rd trimester. - prenatal examinations, signs of compromise 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 	7	F.U1; F.U2; F.U3; F.U4; F.U6; F.U9; F.U12; F.U13; F.U14; F.U15; F.U16; F.U17, K.1, K.2, K.3, K.4, K.8, K.9, K.11

Simulation

5h

TK01	<p>Practical exercises on high-fidelity phantoms in the field of::</p> <ul style="list-style-type: none"> -physiological delivery -breech presentation delivery (longitudinal lie) 	5	F.U4; F.U6; F.U9; F.U13; F.U14; F.U15; F.U16, K.9
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Booklist:

Compulsory literature:

1. Lange, Q., editor. *Lange Q&A Obstetrics & Gynecology, 9th Edition*. McGraw-Hill Education, 2020.
2. Beckmann, C. R. B., and J. L. Ling. *Beckmann and Ling's Obstetrics and Gynecology*. 8th ed., Wolters Kluwer, 2021.
3. Callahan, Tamara L., i Aaron B. Caughey. *Blueprints Obstetrics & Gynecology*. 7. wyd., Lippincott Williams & Wilkins, 2018.

Supplementary literature:	
4. Cunningham, F. Gary, et al. <i>Williams Obstetrics</i> . 26th ed., McGraw-Hill Education, 2020.	
5. Barrett, Terrence M., et al. <i>Williams Gynecology</i> . 4th ed., McGraw-Hill Education, 2020.	
Student workload (balance of ECTS points)	
Form of student workload (participation in classes, activity, preparation of reports, etc.)	Student Load [h]
Contact hours with the teacher	Gynecology - 95 Obstetrics - 110
Preparation for exercises / seminar	13
Reading the indicated literature	10
Writing a report from the laboratory / exercises / preparation of a project / paper, etc.	
Preparation for a test / short test	2
Preparation for the exam	50
Other.....	
Total student workload	280
ECTS points for a module / course	4 ECTS, Obstetrics 5 ECTS
Remarks:	

* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloquium

R – report

S – practical skills assessment

RZC – practical classes report, incl. discussion on results

O – student's active participation and attitude assessment

SL – lab report

SP – case study

PS - assessment of student's ability to work independently

W – entry test

PM – multimedia presentation

other...