INFORMATION ABOUT THE COURSE

Gynecology and obstetrics

1. Basic information

Field of studies		Studies cycle	
	th sciences, discipline: medical sciences		
Unit responsible for the		Course code	
, ,	oszcz University of Science and Technology	17-EMS-GAO-SP2	
Level of studies		Language	
Uniform master's studies		English	
Profile of studies		Obligatory	
General academic Form of studies		Yes	
Full-time			
ruii-time			
Prerequisites	female reproductive system anatomy and phrorgans and the menstrual cycle.	cs of reproductive system anatomy and physiology: Students should have knowledge of ale reproductive system anatomy and physiology, including the structure of the reproductive ins and the menstrual cycle.	
	Basics of embryology and fetal development: development and complications that may occ	9 ,	
Knowledge of the basics of genetics is important for diagnosis and genetic counseling in field of obstetrics and gynecology.		tant for diagnosis and genetic counseling in the	
	Verification method: Passing the introductory courses is equivalent to meeting the prerequisites for the course.		
Introductory courses	Anatomy, Embryology, Physiology with elements of clinical physiology, Pathophysiology, Pharmacology with toxicology, Diagnostic imaging		
Coordinator	Prof. Marek Grabiec		

Study period	Form of assessment Form and hours of classes	ECTS credits
Summer semester	Exam Lecture 20h Exercise 30h Simulation exercise 15h Seminar 15h	4.0

2. Learning outcomes

Code	Description of learning outcomes	Learning outcomes reference
Knowledg	ge (student knows and understands):	
K1	Graduates are familiar with the development, structure, and functions of the human body under normal and pathological conditions.	O.W1.
K2	Graduates know the symptoms and progression of diseases of the female reproductive system	O.W2.

К3	Graduates know and understand diagnostic and therapeutic	O.W3.
KS	procedures appropriate for specific medical conditions.	O.W3.
K4	Graduates know and understand the ethical, social, and legal conditions of practicing medicine and the principles of health promotion, basing their knowledge on scientific evidence.	O.W4.
K5	Graduates are familiar with the principles of qualification for basic surgical procedures and invasive diagnostic and therapeutic procedures, the principles of their performance, and the most common complications.	F.W4.
K6	Graduates know and understand basic classical and minimally invasive surgical techniques.	F.W3.
K7	The student knows the reproductive functions of women, disorders related to them, and diagnostic and therapeutic procedures concerning in particular: 1) the menstrual cycle and its disorders, 2) pregnancy, 3) physiological and pathological childbirth and the postpartum period, 4) inflammation and cancer of the reproductive organs, 5) birth control, 6) menopause, 7) basic diagnostic methods and gynecological procedures.	F.W15.
K8	The graduate knows and understands the basic methods of fetal diagnosis and therapy.	E.W6.
Abilities	(student can do/perform):	
A1	The graduate can recognize medical problems and determine priorities in medical treatment	O.U1.
A2	The graduate can recognize life-threatening conditions that require immediate medical intervention	O.U2.
А3	The graduate can plan diagnostic procedures and interpret their results	O.U3.
A4	The graduate is able to implement appropriate and safe therapeutic procedures and predict their effects	O.U4.
A5	The graduate is able to communicate with patients and their families in an atmosphere of trust, taking into account the patient's needs, and convey unfavorable information using the principles of professional communication.	O.U7.
A6	The graduate is able to apply correct medical procedures in cases of pregnancy and physiological postpartum in accordance with perinatal care standards.	F.U13.
A7	Graduates are able to recognize the most common symptoms indicating abnormal pregnancy and postpartum, apply and interpret diagnostic tests, perform differential diagnosis, implement therapy, monitor treatment effects, and assess indications for specialist consultation, particularly in cases of abdominal pain, uterine contractions, bleeding from the genital tract, abnormal heart rate and fetal mobility, and hypertension.	F.U14.

A8	The graduate is able to detect and interpret fetal heart activity.	F.U15.
A9	The graduate is able to assist in physiological childbirth.	F.U17.
A10	The graduate is able to recognize the onset of labor and symptoms of abnormal labor.	F.U16.
A11	The graduate is able to apply the correct medical procedure in cases of abnormal bleeding from the genital tract, amenorrhea, pelvic pain (inflammation of the pelvic organs, ectopic pregnancy), inflammation of the vagina and vulva, sexually transmitted diseases	F.U18.
A12	The graduate is able to apply correct medical procedures in the field of birth control.	F.U19.
Social skil	ls (the student is ready to):	
S1	Graduates are prepared to establish and maintain deep and respectful contact with patients, as well as to show understanding for differences in worldviews and cultures.	O.K1.
S2	The graduate is ready to act in the best interests of the patient.	O.K2.
S3	The graduate is prepared to uphold medical confidentiality and patient rights.	O.K3.
S4	The graduate is prepared to take action with regard to the patient based on ethical principles, with an awareness of the social conditions and limitations resulting from pregnancy.	O.K4.
S5	The graduate is ready to promote healthy behaviors.	O.K6.
S6	Graduates are prepared to implement the principles of professional collegiality and teamwork, including with representatives of other medical professions, also in a multicultural and multinational environment.	О.К9.
S7	Graduates are prepared to accept responsibility for decisions made in the course of their professional activities, including in terms of their own safety and that of others.	O.K11.

3. Programme contents

No.		Programme contents	Form of studies	Learning outcomes covered by the programme content
1	1.	Anatomy of the female pelvis, structure of the birth canal;	Lecture	K1, K2, K3, K4,
	2.	Endocrinology of pregnancy. Diagnosis of pregnancy;		K5, K6, K7, K8
	3.	Serological conflict, non-immune edema;		
	4.	Comorbidities of pregnancy;		
	5.	Gestational diabetes;		
	6.	Preterm labor;		

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	7.	Physiological labor;		
	8.	Pathological labor – symptomatology		
	9.	Operative delivery		
	10.	Pregnancy-induced hypertension, preeclampsia, HELLP syndrome		
	11.	Hemorrhages during pregnancy and postpartum hemorrhage		
	12.	Trophoblastic disease, hydatidiform mole, invasive mole,		
		choriocarcinoma		
	13.	Infections during pregnancy. TORCH		
	14.	Miscarriage. Habitual miscarriage.		
	15.	Ectopic pregnancy		
		Gynecological oncology		
		Gynecological endocrinology		
		Female infertility and assisted reproduction methods		
		,		
2	1.	Gynecological and obstetric examination;	Exercise,	A1, A2, A3, A4,
	2.	Selected non-cancerous and cancerous diseases of the	Simulation	A5, A6, A7, A8,
		reproductive organs – symptoms, diagnosis, treatment;	exercise	A9, A10, A11,
	3.	Pregnancy, childbirth, and the postpartum period – physiology		A12, S1, S2, S3,
		and pathology. Obstetric anatomy. Normal childbirth. Postpartum		S4, S5, S6, S7
		period and lactation;		
	4.	Endocrinology of pregnancy. Pregnancy tests. Prenatal tests.		
		Methods of hormone determination;		
	5.	Normal pregnancy. Diagnosis of fetal development and condition;		
	6.	Hemorrhages in the second and third trimesters;		
	7.	Diseases coexisting with pregnancy. Cardiovascular diseases.		
		Diseases of the hematopoietic system. Diseases of the respiratory		
		system;		
	8.	Pregnancy-induced hypertension. Gestational diabetes.		
	0.	Serological conflict;		
	9.	Abnormal delivery. Obstetric surgery. Uterine contractile		
	5.	dysfunction. Anesthesia during delivery;		
	10	Infections during pregnancy. HIV and pregnancy. Diagnosis and		
	10.	treatment of TORCH. Trophoblastic disease. Miscarriages and		
		habitual miscarriages. Ectopic pregnancy.		
3	1.	Obstetric anatomy. Normal delivery. Postpartum and lactation;	Seminar	K1, K2, K3, K4,
	2.	Endocrinology of pregnancy. Pregnancy tests. Prenatal tests.		K5, K6, K7, K8,
		Methods of hormone determination;		A1, A3, A4, A7,
	3.	Normal pregnancy. Diagnosis of fetal development and condition;		A8, A12, S1, S2,
	4.	Hemorrhages in the second and third trimesters;		S3, S4, S5, S6, S7
	5.	Diseases coexisting with pregnancy. Cardiovascular diseases.		
	5.	Diseases of the hematopoietic system. Diseases of the respiratory		
		system;		
	6.	Pregnancy-induced hypertension. Gestational diabetes.		
	0.	Serological conflict;		
	7.	_		
	/.	Abnormal delivery. Obstetric surgery. Uterine contractile		
	•	dysfunction. Anesthesia during delivery;		
	8.	Infections during pregnancy. HIV and pregnancy. Diagnosis and		
		treatment of TORCH. Trophoblastic disease. Miscarriages and		
		habitual miscarriages. Ectopic pregnancy.		
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Winter semester

	Methods of studies form:			
	Lecture, Discussion			
Lecture	Methods of verification:	Involvement:		
	Written exam		100%	
	Conditions for passing the course:			
	The prerequisite for passing the course is obtaining a positive grade on the writte questions). The exam covers the topics discussed in all classes of the course. Pass threshold: 60%. Detailed assessment criteria are available in the Study Regulation. In order to be admitted to the exam, students must pass the exercises, simulation.			
	seminars.			
Exercise	Methods of studies form:			
	Clinical exercise			
	Methods of verification:	Involveme	nt:	
	Colloquium	80%		
	Observation	20%		
	Conditions for passing the course:			
	Attendance at all classes is required to pass th			
		actical part of the and obstetrics in	e course involves performing an simulated conditions, with a pass	
Simulation	Attendance at all classes is required to pass the assessed during the exercises. Passing the pramedical procedure in the field of gynecology amark of 75%. Detailed conditions for passing to	actical part of the and obstetrics in	e course involves performing an simulated conditions, with a pass	
Simulation Exercise	Attendance at all classes is required to pass the assessed during the exercises. Passing the pramedical procedure in the field of gynecology amark of 75%. Detailed conditions for passing regulations.	actical part of the and obstetrics in	e course involves performing an simulated conditions, with a pass	
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Entrance test	50%	
Conditions for passing the course:		
Each seminar begins with an entrance exam to test course. In order to pass the seminars, students m grade on the final exam (single-choice test, 30 que	ust pass all entrance exams and obtain a passing	

Learning outcomes	Methods of verification				
	Written exam	Colloquium	Observation	Simulation	Entrance test
K1	Х	Х			Х
К2	Х	Х			Х
К3	Х	Х			Х
К4	Х	X			X
K5	Х	Х			X
К6	Х	X			х
К7	Х	X			х
K8	х	X			Х
A1			Х	Х	
A2			Х	Х	
A3			Х	Х	
A4			Х	Х	
A5			Х	Х	
A6			Х	Х	
A7			Х	Х	
A8			Х	Х	
А9			Х	Х	
A10			Х	Х	
A11			Х	X	
A12			Х	Х	
S1			Х	Х	
S2			Х	X	
\$3			Х	X	

S4		Х	Х	
S5		Х	Х	
S6		Х	Х	
S7		х	Х	

5. Student workload – balance of hours and ECTS credits

Students activity	Student workload Number of hours	
Classes conducted with the direct participation of an	Lecture	20
academic teacher or other	Exercise	30
persons conducting classes	Seminar	15
	Simulation exercise	15
Student's own work	Preparing for classes	5
	Studying literature	10
	Preparing for a test	5
	Preparing for an exam	10
Total student workload		120
ECTS		4

One (teaching) hour is 45 minutes.

6. Literature

The list of required and recommended literature will be provided by the lecturer at the first meeting.