





Distance learning (asynchronous)																				
Summer Semester																				
Direct (contact) education					10															
Online learning (synchronous)	30				10															
Online learning (asynchronous)																				
TOTAL per year:																				
Direct (contact) education					25															
Online learning (synchronous)	30				25															
Online learning (asynchronous)																				
Educational objectives (max. 6 items)																				
C1. Student should be able to link: the anatomy, physiology and pathophysiology of the female reproductive system in the aspect of human procreation.																				
C2. Student should be able to describe physiological pregnancy and physiological delivery.																				
C3. . Student should be able to describe basic pathologies of the pregnancy and basic pathologies complicating natural and operative deliveries (including some of the obstetrical- surgical procedures).																				
C4. Student should get acquainted with available diagnostic techniques used in gynecology and obstetrics.																				
C5. Student should know the proceedings in obstetrical emergencies.																				
<b>Education result matrix for module/course in relation to verification methods of the intended education result and the type of class</b>																				
Number of course education result	Number of major education result	Student who completes the module/course knows/is able to	Methods of verification of intended education results (forming and summarising)	Form of didactic class <i>**enter the abbreviation</i>																
K 01	FW9	knows the reproductive functions of women, related disorders, and diagnostic and therapeutic procedures concerning in particular: a) the menstrual cycle and it's disorders, b) pregnancy, c) the physiological and pathological delivery and postpartum period, d) inflammatory and oncological diseases of the genital tract , e) birth control, f) menopause, g) the basic methods of diagnosis and treatment in gynecology;	oral, answer, presentation	L, CC, EL																
S 01	FU 13	- recognize the signs and symptoms of abnormal pregnancy (abnormal bleeding, uterine contractions);	Cases analysis, observation, carrying out actions in simulated conditions	CC, EL																
S02	FU 14	- interprets the results of the physical examination of a pregnant women																		



11. Vulvar and vaginal neoplasms - precancerous conditions, benign and malignant lesions.
12. Cervical neoplasms - precancerous conditions, benign and malignant lesions. The role of HPV infection in the pathogenesis of cervical cancer.
13. Endometrial neoplasms - precancerous conditions, benign and malignant lesions.
14. Neoplasms of the ovary and fallopian tube - benign and malignant lesions
15. Neoplasms of the mammary gland - benign and malignant lesions.

#### Seminars

- 1.

#### Practical classes

##### Winter Semester:

1. Main topics of high risk pregnancy: Hypertension in pregnancy and its clinical sequels – chronic hypertension, pre-eclampsia and eclampsia. Liver diseases specific for pregnancy – HELLP syndrome, gestational acute liver steatosis, gestational intrahepatic cholestasis. Pre-gestational and gestational diabetes mellitus – complications, White classification, rules of pregnancy management and delivery. Urinary tract infections in pregnancy. Antiphospholipid syndrome (APS) – diagnostic criteria, clinical sequels, treatment in pregnancy. Polyhydramnios and oligohydramnios. Fetal intrauterine growth retardation (IUGR) – causes, diagnostics, management.
2. Pathologic labor: Fetal lie, position and presentation abnormalities – types, diagnosis, management. Uterine contraction activity disorders – contraction activity weakness, contraction hyperactivity, dissociated contraction activity. Maternal-fetal disproportion – causes, symptoms, diagnosis. Shoulder dystocia – risk factors, prevention, management. Labor terminating procedures (obstetric operations) - cesarean section, forceps delivery, vacuum extractor, manual assistance, external and internal version – indications, performance conditions and technique. Natural passage delivery after past cesarean section.
3. Pregnancy and labor bleedings: Miscarriage. Ectopic pregnancy. Missed abortion. Cervical cancer in pregnancy. Gestational trophoblastic disease. Vaginal and vulvar varices bleeding. Placenta previa. Premature placenta detachment. Migrating vessel rupture. Umbilical cord velamentous insertion. Third stage of labor hemorrhages – uterine atonia, placenta detachment and expulsion disturbances. Soft birth canal perinatal injuries. Obstetrical coagulopathies – causes, diagnosis, treatment
4. Clinical gynecology: Female genital organs and breast malformations – classification, diagnosis and treatment. Pelvic pain syndrome (PPS) – causes, differential diagnostics. Endometriosis – current opinions upon etiopathogenesis, classification, diagnostics and treatment. Abnormal uterine bleeding – causes, management. Uterine myomas – characteristics, clinical symptoms, diagnosis, differentiation, treatment. Endoscopic procedures in gynecology: laparoscopy, hysteroscopy, salpingoscopy – indications, performance technique, complications. Assisted reproductive technologies (ART) in marital infertility treatment.
5. Gynecological oncology: Female genital organs and breast malignant neoplastic diseases classification. Vulvar cancer – clinical picture, diagnosis, treatment. Cervical cancer – symptoms, diagnosis, treatment, prophylaxis – anti-HPV vaccination role. Endometrial cancer - symptoms, diagnosis, treatment. Ovarian cancer - clinical picture, diagnosis, differentiation, treatment. Breast cancer - symptoms, diagnosis, treatment, prophylaxis. Radiotherapy and chemotherapy in gynecological oncology – types, efficacy, complications.

##### Summer semester:

1. Pregnant woman as well as gynecological patient surveillance - trigradual selective care rules. Female genital tract and breast inflammations. Sexually transmitted diseases. Main problems of pediatric and adolescent gynecology.
2. Surgical treatment of gynecological diseases – patient's preoperative preparation and management principles in an operating room. Pelvic organ prolapse – POP-Q classification, modern methods of diagnostics and therapy. Female urinary incontinence – etiopathogenesis, classification, diagnosis, methods of treatment and prophylaxis.



S3	FU 15	(blood pressure, maternal and fetal heart rate), and laboratory findings indicative of pathologies of pregnancy;		
S4	FU 16	- interprets cardiotocography (CTG) records;		
S5	FU 17	- recognize beginning of delivery and it's abnormal duration;		
S6	FU 18	- interprets the signs and symptoms of a physiological and pathological postpartum period;		
		- knows recommendations, indications and contraindications for the use of contraceptive methods;		

\*\* L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories:

communication of knowledge, skills or forming attitudes:

Knowledge: 5

Skills: 5

Social competences: 5

**Student's amount of work (balance of ECTS points)**

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	25
2. Online learning hours (e-learning):	55
3. Student's own work (self-study):	25
<b>Total student's workload</b>	<b>105</b>
<b>ECTS points for module/course</b>	<b>4,0</b>
Comments	

**Content of classes** (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)

**Lectures**

**II Department of Gynecology and Obstetrics**

1. Malformations of female genital organs
2. Infections of the lower section of female genital organs.
3. Infections of the upper section of the female genital organs and mammary gland.
4. Gynecological endocrinology - menstrual disorders
5. Gynecological endocrinology - menopause
6. Gynecological problems related to obesity. Endometriosis.
7. Pelvic organ prolapse and urinary incontinence.
8. Diagnosis and treatment of infertility.
9. Family planning and contraception.
10. Urgent conditions in gynecology and obstetrics.



3. Gynecological emergencies – ectopic pregnancy, ovarian cyst torsion, acute adnexitis, genital organs injuries. Sexual offences against women – medical treatment of rape and illicit sexual act victims. The issue of domestic violence. Criminal abortions – diagnosis, treatment, complications.
4. Female genital organs and breast malignant neoplastic diseases – classification, diagnostics, treatment, prophylaxis.
5. Civilization changes influence on human procreation. Menstruation disorders. Marital infertility. Family planning and contraception. Menopause – indications and contraindications for hormonal replacement therapy.

Other

1.

Basic literature (list according to importance, no more than 3 items)

1. Cunningham – „Williams Obstetrics”
2. Bankowski – „John Hopkins Manual of Obstetrics and Gynecology”
3. Berek – „Novak’s Gynecology”

Additional literature and other materials (no more than 3 items)

1. Cohen – „Cherry and Merkat’s Complications of Pregnancy”
2. De Cherney – „Current Obstetrics and Gynecology”
3. Gilstrap – „Operative Obstetrics”

Didactic resources requirements (e.g. laboratory, multimedia projector, other...)

Phantom to obstetrical exercises, phantom to gynecological exercises, multimedial projector, screen, notebook, audiovisual equipment of the operating room with the possibility of transmission to the lecture hall.

Preliminary conditions (minimum requirements to be met by the student before starting the module/course)

Theoretical background and active participation in clinical classes. Credit obtainment for Obstetrics and Gynecology course in the IV-th year.

Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades)

100% attendance, presentation, oral answer

Each absence must be made up, including rector’s day or dean’s hours - the form of making up classes should be agreed with the person responsible for the course

<b>Grade:</b>	<b>Criteria</b> (only for courses/modules ending with an examination)
<b>Very Good</b> (5.0)	Outstanding (Evidence Based Medicine) knowledge of the subject (including different approaches to the pathology around the world – differences between the American, Canadian, European guidelines considering the matter), full understanding of the pathology lying under patients condition; Student can fully interpret all the test results, knows the possible diagnostic techniques (including the newest techniques), is able to determine the most possible outcome for the patient; Student can fully plan the diagnostic-therapeutic pathway for his/hers patient and can explain every step of it to the teacher
<b>Good Plus</b> (4.5)	Very good knowledge of the subject, full understanding of the pathology lying under patients condition; Student can fully interpret all the test results, knows the possible diagnostic techniques (including the newest), is able to determine the most possible outcome



	for the patient; Student can fully plan the diagnostic-therapeutic pathway for his/hers patient and can explain every step of it to the teacher
<b>Good (4.0)</b>	Good knowledge of the subject, in his/hers words can explain the pathology lying under patients condition; Student can interpret the most obvious test results, knows the possible diagnostic techniques; Student can fully plan the diagnostic-therapeutic pathway for his/hers patient and can explain every step of it to the teacher.
<b>Satisfactory Plus (3.5)</b>	Decent knowledge of the subject, with little help can explain the pathology lying under patients condition; Student can interpret the most obvious test results, knows most of the possible diagnostic techniques; Student can briefly plan the diagnostic-therapeutic pathway for his/hers patient and can explain every step of it to the teacher
<b>Satisfactory (3.0)</b>	Satisfactory knowledge of the subject, with extra help can deduct the pathology lying under patients condition; Student can interpret the most obvious test results, knows a few of the possible diagnostic techniques; Student can briefly plan the diagnostic-therapeutic pathway for his/hers patient and can explain it of it to the teacher.
	<b>Criteria</b> (only for courses/modules ending with e credit)
<b>Credit</b>	<b>Does not apply to the Faculty of Medicine</b>
<b>Grade:</b>	<b>Criteria</b> (examination evaluation criteria)
<b>Very Good (5.0)</b>	
<b>Good Plus (4.5)</b>	
<b>Good (4.0)</b>	
<b>Satisfactory Plus (3.5)</b>	
<b>Satisfactory (3.0)</b>	
Unit realizing the subject	II Katedra i Klinika Ginekologii i Położnictwa    I Katedra i Klinika Ginekologii i Położnictwa
Unit address	ul. Borowska 213, 50-556 Wrocław    ul. Chałubińskiego 3, 50-368 Wrocław
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Person responsible for module	Dr hab. n. med. Michał Pomorski
Coordinator	Prof. dr hab. Mariusz Zimmer
Telephone	
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**List of persons conducting specific classes**



Full name	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Mariusz Zimmer	Professor	Gynaecology	doctor	CC
Jerzy Florjański	Assistant Professor	Gynaecology	doctor	CC
Tomasz Fuchs	Assistant Professor	Gynaecology	doctor	L, CC
Michał Pomorski	Assistant Professor	Gynaecology	doctor	CC
Marek Tomiałowicz	MD, PhD	Gynaecology	doctor	CC
Jakub Śliwa	MD, PhD	Gynaecology	doctor	CC
Cyprian Goluda	MD, PhD	Gynaecology	doctor	CC
Jacek Robaczyński	MD, PhD	Gynaecology	doctor	CC
Jacek Żmijewski	MD, PhD	Gynaecology	doctor	CC
Anna Rosner - Tenerowicz	MD, PhD	Gynaecology	doctor	CC
Wojciech Homola	MD, PhD	Gynaecology	doctor	CC
Robert Woytoń	MD, PhD	Gynaecology	doctor	CC
Wasył Paślawski	MD, PhD	Gynaecology	doctor	CC
Artur Wiatrowski	MD	Gynaecology	doctor	CC
Anna Kryza	MD	Gynaecology	doctor	CC
Paweł Barański	MD	Gynaecology	doctor	CC
Agata Pawłosek	MD, PhD	Gynaecology	doctor	CC
Aleksandra Zimmer	MD	Gynaecology	doctor	CC
Beata Dawiec	MD	Gynaecology	doctor	CC
Anna Tarczyńska	MD	Gynaecology	doctor	CC
Joanna Budny-Wińska	MD	Gynaecology	doctor	CC
Marek Murawski	Assistant Professor	Gynaecology	doctor	CC
Lidia Hirnle	Professor	Gynaecology	doctor	CC
Jan Korzeniowski	MD, PhD	Gynaecology	doctor	CC
Grzegorz Myszczyński	MD, PhD	Gynaecology	doctor	CC
M. Strózik	MD	Gynaecology	doctor	CC
Radosław Blok	MD, PhD	Gynaecology	doctor	CC
Rafał Sozański	MD, PhD	Gynaecology	doctor	CC
Bogusław Pałczyński	MD, PhD	Gynaecology	doctor	CC
Renata Pilarczyk	MD	Gynaecology	doctor	CC
Małgorzata Kowalska	MD	Gynaecology	doctor	CC
Maciej Pakuła	MD	Gynaecology	doctor	CC
J. Banyś	MD	Gynaecology	doctor	CC
Magdalena Kapłon	MD	Gynaecology	doctor	CC
Adam Jagodziński	MD	Gynaecology	doctor	CC
Ewa Zielińska	MD	Gynaecology	doctor	CC
Magdalena Makowska	MD	Gynaecology	doctor	CC
Aleksandra Kalota	MD	Gynaecology	doctor	CC
Karolina Panek	MD	Gynaecology	doctor	CC

Date of Syllabus development

Syllabus developed by

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Signature of Head of teaching unit

Signature of Faculty Dean

Wrocław Medical University  
Faculty of Medicine  
Vice-Dean for English Studies  
  
prof. Beata Sobieszczkańska, PhD



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