



I st Dept. of Obstetrics and Gynaecology					30										
TOTAL per year:															
II nd Dept. of Obstetrics and Gynaecology	35				30										
I st Dept. of Obstetrics and Gynaecology					30										
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.															
Education result matrix for module/course in relation to verification methods of the intended education result and the type of class															
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;				Final test, oral, answer	L, CC								
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								
S02	FU 14	- interprets the results of the physical examination of a pregnant women (blood pressure, maternal and fetal heart rate), and laboratory findings indicative of pathologies of pregnancy;				Cases analysis, observation, carrying out actions in simulated conditions									
S 3	FU 15	- interprets cardiotocography (CTG) records;				Cases analysis, observation, carrying out actions in simulated conditions									



S4	FU 16	- recognize beginning of delivery and it's abnormal duration;	Cases analysis, observation, carrying out actions in simulated conditions
S5	FU 17	- interprets the signs and symptoms of a physiological and pathological postpartum period;	Cases analysis, observation, carrying out actions in simulated conditions
S6	FU 18	- knows recommendations, indications and contraindications for the use of contraceptive methods;	Cases analysis, observation, carrying out actions in simulated conditions

** 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

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

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	65
2. Student's own work (self-study):	15
Total student's workload	80
ECTS points for module/course	2,5
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

Selected issues of particular fields of obstetrics and gynecology.

1. Anatomy and function of female genital organs and breast in various periods of a woman's life
2. Basics of reproductive medicine - gamete structure, fertilization and early embryogenesis.
3. Fetal development, trimesters of pregnancy, placenta, fetal membranes, amniotic fluid
4. Pregnancy supervision: plan, additional tests
5. Biophysical and biochemical methods and tests estimating intrauterine condition and well-being of the fetus
6. The course of delivery, stages of delivery, puerperium and lactation
7. Abnormal pregnancy and delivery, cesarean section, procedures used during delivery
8. Prenatal diagnosis in pregnancy, ultrasound examination in pregnancy
9. Possibilities of intrauterine fetal treatment
10. High risk pregnancy, gestational diabetes, twin pregnancy
11. Pregnancy induced hypertension, intrauterine growth retardation
12. Premature delivery: diagnosis and treatment, post term pregnancy
13. Diseases complicating pregnancy and childbirth, pregnancy after infertility treatment, cancer during pregnancy
14. Recurrent miscarriages, cervical insufficiency, thrombophilia, lupus erythematosus. Placenta abnormalities : placenta praevia, premature placenta abruption, abnormal placentation- causes, diagnostics, procedure

Seminars



Practical classes

- 1. Physiological pregnancy:** obstetric anamnesis, obstetrical examination, assessment of the cervix by Saling and Bishop score. Rules for keeping medical records of pregnant women. Purpose and interpretation of additional tests in uncomplicated pregnancy. Maternal genetic counseling - early diagnosis of fetal malformations. Malignant tumors of the female genital tract in pregnancy – screening, treatment options, mode of delivery
- 2. Methods for the assessment of fetal well-being:** Cardiotocography (CTG) antenatal and intrapartal - interpretation of the record (short term variability, accelerations, decelerations). Non-stress test (NST) and stress test (OCT) in the evaluation of placental function. Ultrasound in obstetrics (USG) - fetal biometry, assessment of the maturity of the placenta and the amount of amniotic fluid, the Manning test, diagnosis of fetal malformations. Amnioscopy and amniocentesis - indications, interpretation of the results and related complications.
- 3. Physiological delivery:** preparing for vaginal birth. The mechanism of birth in cephalic presentation. Management of the first stage of delivery – assessment of uterine contractions, progress of labor, fetal heart monitoring, analgesia. Management of the second stage of delivery - the conditions necessary for fetal expulsion, episiotomy. Management of the third stage of delivery - symptoms of separating of the placenta, assessment of the placenta, birth canal and postpartum bleeding.
- 4. Rhesus incompatibility -** etiology, diagnosis, treatment, prevention. Multiple pregnancy - diagnosis, mode of delivery. Cervical insufficiency – etiology, diagnosis, treatment
- 5. Post-term pregnancy, preinduction and induction of labor. Preterm delivery -** causes, diagnosis, treatment (tocolitics drugs, delivery of a preterm fetus). Threatening intra-uterine fetal asphyxia-causes, diagnosis and treatment during pregnancy and childbirth.

Other

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

1. Bankowski „John Hopkins Manual of Obstetrics and Gynecology”
2. Berek „ Novak’s Gynecology”
3. Brian Magowan “Clinical Obstetrics and Gynaecology”

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

1. John Queenan “Fetal Medicine”
2. Catrina Bain, Kevin Burton, Jay McGavigan”Gynaecology Illustrated”
3. James Alexander „Obstetric Emergencies, An Issue of Obstetrics and Gynecology Clinics”
4. Jason Abbott, Lucy Bowyer, Martha Finn „Obstetrics and Gynaecology an evidence-based guide”
5. Nick Panay MD. “Crash Course: Obstetrics & Gynaecology”

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

Projectors, multimedia projectors, computers, phantoms

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

theoretical background

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)

1. Credit test and 100% attendance.
2. Each absence must be made up, including rector’s day or dean’s hours.



Grade:	Criteria for course
Very Good (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
Good Plus (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
Good (4.0)	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.
Satisfactory Plus (3.5)	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 examiner
Satisfactory (3.0)	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 examiner.
Grade:	Criteria for exam (if applicable)
Very Good (5.0)	
Good Plus (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	

Name of unit teaching course:	II nd Dept. of Obstetrics and Gynaecology	I nd Dept. of Obstetrics and Gynaecology
Address	ul. Borowska 213, 50-556 Wrocław	ul. Chałubińskiego 3, 50-368 Wrocław
Phone	71/733-14-97, 71/733-14-00	
E-mail	joanna.lewandowska@umed.wroc.pl	



Person responsible for course:	Dr hab. n. med. Tomasz Fuchs
Phone	71/733-14-02
E-mail	tomasz.fuchs@umed.wroc.pl

<i>List of persons conducting specific classes:</i>	<i>degree/scientific or professional title</i>	<i>Discipline</i>	<i>Performer profession</i>	<i>Form of classes</i>
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
Artur Wiatrowski	MD	Gynaecology	doctor	CC
Anna Kryza	MD	Gynaecology	doctor	CC
Paweł Barański	MD	Gynaecology	doctor	CC
Aleksandra Zimmer	MD	Gynaecology	doctor	CC
Beata Dawiec	MD	Gynaecology	doctor	CC
Anna Tarczyńska	MD	Gynaecology	doctor	CC
Mariusz Kasperski	MD	Gynaecology	doctor	CC
Joanna Budny-Wińska	MD	Gynaecology	doctor	CC
Lidia Hirnle	Professor	Gynaecology	doctor	CC
Marek Murawski	MD, PhD	Gynaecology	doctor	CC
Jan Korzeniowski	MD, PhD	Gynaecology	doctor	CC
Grzegorz Myszczyzyn	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

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Signature of Faculty Dean

.....

Syllabus developed by

.....

Signature of Head of teaching unit

Uniwersytet Medyczny we Wrocławiu

II KATEDRA I KLINIKA

GINEKOLOGII I POŁOŻNICTWA

.....
kierownik

prof. dr hab. n. med. Mariusz Zimr