



Syllabus for academic year: 2021/2022													
Training cycle:2016/2017-2021/2022													
Description of the course													
Course	Gyneacology and Obstetrics (3)							Group of detailed education results					
								Group code	Group name				
								F	Interventional Clinical Sciences				
Faculty	Medicine												
Major	Medicine												
Level of studies	<input checked="" type="checkbox"/> uniform magister studies <input type="checkbox"/> 1 <sup>st</sup> degree studies <input type="checkbox"/> 2 <sup>nd</sup> degree studies <input type="checkbox"/> 3 <sup>rd</sup> degree studies <input type="checkbox"/> postgraduate studies												
Form of studies	<input checked="" type="checkbox"/> full-time <input type="checkbox"/> part-time												
Year of studies	VI						Semester:	<input checked="" type="checkbox"/> winter <input type="checkbox"/> summer					
Type of course	<input checked="" type="checkbox"/> obligatory <input type="checkbox"/> limited choice <input type="checkbox"/> free choice / optional												
Language of study	<input type="checkbox"/> Polish <input checked="" type="checkbox"/> English												
Number of hours													
Form of education													
	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
<b>Winter semester:</b>													
I st Dept. of Obsterics and Gynaecology													
I st Dept. of Obsterics and Gynaecology													
Direct (contact) education <sup>1</sup>			12*		48*								
Distance learning <sup>2</sup>													

1

2



II nd Dept. of Obstetrics and Gynaecology																			
I st Dept. of Obstetrics and Gynaecology																			
Direct (contact) education <sup>3</sup>			12*		48*														
Distance learning <sup>4</sup>																			
<b>Summer semester:</b>																			
Direct (contact) education																			
Distance learning																			
<b>TOTAL per year:</b>																			
I st Dept. of Obstetrics and Gynaecology																			
I st Dept. of Obstetrics and Gynaecology																			
Direct (contact) education			12*		48*														
Distance learning																			
II nd Dept. of Obstetrics and Gynaecology																			
I st Dept. of Obstetrics and Gynaecology																			
Direct (contact) education			12*		48*														
Distance learning																			
* Each unit realizes 12 CA hours and 48 CK hours during the academic year with assigned student groups																			
<b>Educational objectives</b> (max. 6 items)																			
C1. Student should expand the knowledge of the physiology and the pathology of the female reproductive system as well as the diagnostics and treatment of the selected female reproductive system pathologies																			
C2. Student should be able to discuss the subject of physiological pregnancy, delivery and postpartum;																			
C3. Student should be able to easily characterize the main pregnancy pathologies																			
C4. Student should expand his/hers knowledge regarding diagnostic methods used in perinatology and gynecology;																			
C5. The shaping of social competence necessary for the practice of medicine in accordance with the required profile of the graduate.																			
<b>Education result for course in relation to verification methods of the intended education result and the type of class:</b>																			
Number of detailed education result	Student who completes the course knows/is able to										Methods of verification of intended education results				Form of didactic class <i>*enter the abbreviation</i>				
FW9	Knows the female reproductive function, associated disorders and diagnostic and therapeutic management, concerning in particular: 1.the menstrual cycle and its disorders, 2.pregnancy,										oral, answer, presentation, test				CC, AC				



	3.the physiological and pathological childbirth and the puerperium, 4.inflammations and tumours in the genital area, 5.birth control, 6.menopause, 7.the basic gynaecological diagnostic methods and procedures;		
<b>EU38</b>	is able to keep patient's medical records	Cases analysis, observation, carrying out actions in simulated conditions	CC
<b>FU13</b>	recognise signs and symptoms indicative of abnormal pregnancy (abnormal bleeding, contractile activity of the uterus);	Cases analysis, observation, carrying out actions in simulated conditions	CC
<b>FU14</b>	interpret the results of physical examination of a pregnant woman (blood pressure, maternal and foetal heart rate) and the results of laboratory tests indicative of pathologies in pregnancy;	Cases analysis, observation, carrying out actions in simulated conditions	CC
<b>FU15</b>	interpret cardiotocography (CTG) recordings;	Cases analysis, observation, carrying out actions in simulated conditions	CC
<b>FU16</b>	recognise the beginning of labour and its abnormal duration; F.U17. interpret subjective and physical symptoms during puerperium;	Cases analysis, observation, carrying out actions in simulated conditions	CC
<b>FU17</b>	interpret subjective and physical symptoms during puerperium;	Cases analysis, observation, carrying out actions in simulated conditions	CC
<b>FU18</b>	establish recommendations, indications and contraindications for the use of contraceptive methods;	Cases analysis, observation, carrying out actions in simulated conditions	CC

\* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning

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

**Student's workload**

(class participation, activity, preparation, etc.)

**Student Workload**

1. Number of hours of direct contact:

60

2. Number of hours of distance learning:



3. Number of hours of student's own work:	102
4. Number of hours of directed self-study	
Total student's workload	162
<b>ECTS points for course</b>	4
<b>Content of classes:</b> (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)	
<b>Lectures</b> 1. 2. 3. ect.	
<b>Seminars</b> 1. 2. 3. ect.	
<b>Classes</b> <b>I Department of Gynecology and Obstetrics</b> <b>II Department of Gynecology and Obstetrics</b> 1. PATHOLOGY OF PREGNANCY- getting to know the everyday life within the ward, imaging and lab diagnostics of the pregnant patient, pharmacotherapy of the pregnant patient, invasive diagnostics (Amniocentesis and other procedures performed within the ward), management of the post-term pregnancy 2. OPERATIVE GYNAECOLOGY - specifics of the surgical procedures performed within the ward, assisting with surgery during a surgical operation, getting to know imaging techniques used in operative gynaecology, assisting with minimally invasive gynecological procedures (such as operative hysteroscopy) 3. POSTPARTUM and MATERNITY WARD ñ the rules of the postpartum management of the post cc patient vs post natural delivery patient, pharmacotherapy during lactation, diagnostics and therapy of pathologies common among postpartum patients,	
<b>Other</b> 1. 2. 3. ect.	
<b>Basic literature</b> (list according to importance, no more than 3 items) 1. Bankowski „John Hopkins Manual of Obstetrics and Gynecology” Lippincott Williams & Wilkins; 2nd edition (May 1, 2002) 2. Berek „ Novak’s Gynecology” <u>Wolters Kluwer Health</u> , 2019 3. Brian Magowan “Clinical Obstetrics and Gynaecology” <u>Elsevier Books</u> , 2018 <b>Additional literature and other materials</b> (no more than 3 items) 1. John Queenan “Fetal Medicine” Elsevier Health Sciences, 2009 2. Catrina Bain, Kevin Burton, Jay McGavigan”Gynaecology Illustrated” Elsevier Churchill Livingstone, 2011 3. James Alexander „Obstetric Emergencies, An Issue of Obstetrics and Gynecology Clinics” Elsevier 2013 4. Jason Abbott, Lucy Bowyer, Martha Finn „Obstetrics and Gynaecology an evidence-based guide” Paperback 2013 5. <u>Nick Panay MD.</u> “Crash Course: Obstetrics & Gynaecology” <u>Elsevier Books</u> , 2019	



**Preliminary conditions:** (minimum requirements to be met by the student before starting the course)  
Theoretical background. 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 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, test

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;

Exams and credits are held in direct contact with an academic teacher or using electronic means of communication.

Grade:	Criteria for courses ending with a grade <sup>5</sup>
Very Good (5.0)	Test: 14-15points /15 points 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 Above (4.5)	Test: 13 points /15 points 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)	Test: 11-12points /15 points 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)	Test: 10 points /15 points 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

<sup>5</sup> The verification must cover all education results, which are realize in all form of classes within the course



Satisfactory (3.0)	Test: 8-9 points /15 points 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.
	<b>Criteria for courses ending with a credit<sup>3</sup></b>
<b>Credit</b>	

<b>Grade:</b>	<b>Criteria for exam<sup>3</sup></b>
Very Good (5.0)	Corresponds to 1. 86-90 correct answers in the exam. 2. Oral exam – Focuses on describing the diagnostic and therapeutic procedure in a given patient admitted to the Department of Gynecology and Obstetrics. The student is asked to answer questions on issues in the field of Gynecology and Obstetrics. The student shows: Excellent knowledge of a given subject, the ability to discuss pros and cons of various diagnostic methods for a given pathology and a full spectrum of available therapies used worldwide (with the analysis of global guidelines and differences in recommendations regarding a given pathology). The student is able to demonstrate the knowledge of the pathophysiological background of the disease. The student is able to present the etiology (pathophysiology-symptom-treatment) of a given disease entity and propose optimal diagnostic methods. The student is able to assess what results should be expected in a given patient and why. The student is able to fully and independently plan the diagnostic and therapeutic process for a given patient. The final exam grade is awarded by the examiner on the basis of the test result and oral exam answers. Both parts of the exam must be passed for a student to pass.
Good Above (4.5)	Corresponds to 1. 80-85 correct answers in the exam. 2. Oral exam – Focuses on describing the diagnostic and therapeutic procedure in a given patient admitted to the Department of Gynecology and Obstetrics. The student is asked to answer questions on issues in the field of Gynecology and Obstetrics. The student shows: Very good knowledge of the subject, the ability to discuss the pros and cons of a variety of diagnostic methods for any given pathology and various methods of treatment. The student is able to describe the pathophysiology of a given disease, and can present the cause and effect relationship from a pathophysiology-symptom-treatment standpoint. The student proposes diagnostic methods that take into account the latest test methods, and is able to properly interpret and rationalize diagnostic and treatment results. Overall, the student is able to fully and independently plan the diagnostic and therapeutic process. The final exam grade is awarded by the examiner on the basis of the test result and oral exam answers. Both parts of the exam must be passed for a student to pass.
Good (4.0)	Corresponds to



	<p>1. 66-79 correct answers in the exam.</p> <p>2. Oral exam – Focuses on describing the diagnostic and therapeutic procedure in a given patient admitted to the Department of Gynecology and Obstetrics. The student is asked to answer questions on issues in the field of Gynecology and Obstetrics. The student shows: Good substantive knowledge of the subject, the ability to propose various methods of diagnosing a given pathology and various methods of therapy. Knowledge of the pathophysiological basis of the disease. The student is able to build a basic cause-effect relationship (pathophysiology-symptom-treatment) of a given disease entity; The student is able to fully independently plan the diagnostic and therapeutic process and explain to the examiner every stage of this plan in terms of the specific case of his patient. The final exam grade is awarded by the examiner on the basis of the test result and oral exam answers. Both parts of the exam must be passed for a student to pass.</p>
Satisfactory Plus (3.5)	<p>Corresponds to</p> <p>1. 61-65 correct answers in the exam.</p> <p>2. Oral exam – Focuses on describing the diagnostic and therapeutic procedure in a given patient admitted to the Department of Gynecology and Obstetrics. The student is asked to answer questions on issues in the field of Gynecology and Obstetrics. The student shows: Good substantive knowledge of the subject, the ability to propose various diagnostic methods for a given pathology and various methods of therapy. With the help of the examiner, the student explains the pathophysiology of the disease - (pathophysiology-symptom-treatment). The student is able to plan the basic features of the diagnostic and therapeutic process. The final exam grade is awarded by the examiner on the basis of the test result and oral exam answers. Both parts of the exam must be passed for a student to pass.</p>
Satisfactory (3.0)	<p>Corresponds to</p> <p>1. 54-60 correct answers in the exam.</p> <p>2. Oral exam – Focuses on describing the diagnostic and therapeutic procedure in a given patient admitted to the Department of Gynecology and Obstetrics. The student is asked to answer questions on issues in the field of Gynecology and Obstetrics. The student shows: Basic substantive knowledge of the subject. The student shows the ability to interpret results of various diagnostic methods for a given pathology and proposes various methods of therapy. With the help of the examiner, he explains the pathophysiology of the disease - (pathophysiology-symptom-treatment). The student knows how to plan the basic features of the diagnostic and therapeutic process and understands its successive stages. The final exam grade is awarded by the examiner on the basis of the test result and oral exam answers. Both parts of the exam must be passed for a student to pass.</p>



<b>Unit realizing the course:</b>	II nd Dept. of Obstetrics and Gynaecology
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<b>Unit realizing the course:</b>	I st Dept. of Obstetrics and Gynaecology
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<b>Person responsible for the course:</b>	Prof. dr hab. Mariusz Zimmer
<b>Telephone:</b>	71/ 733-14-97
<b>E-Mail:</b>	Mariusz.zimmer@umed.wroc.pl

**List of persons conducting specific classes:**

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Mariusz Zimmer	Professor	Medical Science	doctor	CC, AC
Jerzy Florjański	Assistant Professor	Medical Science	doctor	CC, AC
Tomasz Fuchs	Assistant Professor	Medical Science	doctor	CC, AC
Michał Pomorski	Assistant Professor	Medical Science	doctor	CC, AC
Marek Tomiałowicz	MD, PhD	Medical Science	doctor	CC, AC
Jakub Śliwa	MD, PhD	Medical Science	doctor	CC, AC
Cyprian Goluda	MD, PhD	Medical Science	doctor	CC, AC
Jacek Robaczyński	MD, PhD	Medical Science	doctor	CC, AC
Jacek Żmijewski	MD, PhD	Medical Science	doctor	CC, AC
Anna Rosner - Tenerowicz	MD, PhD	Medical Science	doctor	CC, AC
Wasył Paślawski	MD, PhD	Medical Science	doctor	CC, AC
Artur Wiatrowski	MD	Medical Science	doctor	CC, AC
Anna Kryza-Ottou	MD, PhD	Medical Science	doctor	CC, AC
Agata Pawłosek	MD, PhD	Medical Science	doctor	CC, AC
Aleksandra Zimmer-Stelmach	MD, PhD	Medical Science	doctor	CC, AC
Beata Dawiec	MD	Medical Science	doctor	CC, AC
Anna Tarczyńska	MD	Medical Science	doctor	CC, AC
Joanna Budny-Wińska	MD	Medical Science	doctor	CC, AC
Lidia Hirnle	Professor	Medical Science	doctor	CC, AC
Marek Murawski	Assistant Professor	Medical Science	doctor	CC, AC
Jan Korzeniowski	MD, PhD	Medical Science	doctor	CC, AC
Grzegorz Myszczyzyn	MD, PhD	Medical Science	doctor	CC, AC
M. Strózik	MD	Medical Science	doctor	CC, AC
Radosław Blok	MD, PhD	Medical Science	doctor	CC, AC
Rafał Sozański	MD, PhD	Medical Science	doctor	CC, AC





Bogusław Pańczyński	MD, PhD	Medical Science	doctor	CC, AC
Renata Pilarczyk	MD	Medical Science	doctor	CC, AC
Małgorzata Kowalska	MD	Medical Science	doctor	CC, AC
Maciej Pakuła	MD	Medical Science	doctor	CC, AC
J. Banyś	MD	Medical Science	doctor	CC, AC
Magdalena Kapłon	MD	Medical Science	doctor	CC, AC
Adam Jagodziński	MD	Medical Science	doctor	CC, AC
Ewa Zielińska	MD	Medical Science	doctor	CC, AC
Magdalena Makowska	MD	Medical Science	doctor	CC, AC
Aleksandra Kalota	MD	Medical Science	doctor	CC, AC
Karolina Panek	MD	Medical Science	doctor	CC, AC

Date of Syllabus development

Syllabus developed by

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DR ARNE WITROBSKI

Signature of Head(s) of teaching unit(s)

Uniwersytet Medyczny we Wrocławiu  
II KATEDRA I KLINIKA  
...GINEKOLOGII I POŁOŻNICTWA.....  
Lecznik  
prof. dr hab. n. med. Marcin Zimmer

Dean's signature

Wrocław Medical University  
Faculty of Medicine  
Vice-Dean for English Studies

prof. Beata Schuchman, PhD