

Subject name Gynecology and Obstetrics	ECTS Code																
Name of unit teaching the subject THE ZBIGNIEW RELIGA FACULTY OF MEDICAL SCIENCES IN ZABRZE, THE UNIVERSITY OF TECHNOLOGY IN KATOWICE																	
Studies																	
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Surname of instructor (instructors)																	
Type of class, method of implementation and specified number of hours	Amount of ECTS points																
<p>A.Type of class</p> <ul style="list-style-type: none"> • lecture, • exercise classes, • clinical exercise classes • seminars, • design classes • laboratories, • lectureship, • diploma seminar, • professional internship.* <p>* mark where applicable</p> <p>B.Method of implementation</p> <ul style="list-style-type: none"> • classes in a didactic room • on-line classes/<i>blended learning</i> • classes outside the didactic room – clinical exercise classes <p>C. Amount of hours in accordance with the approved curriculum</p> <p>Semester 09 = 60h, including 15h of lectures 45h of clinical classes Semester 10 = 45h 45h of clinical classes</p>	<p>Description of awarding ECTS points:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Activity</th> <th style="width: 30%;">Student workload</th> </tr> </thead> <tbody> <tr> <td>Participation in lectures Semester 09</td> <td style="text-align: center;">15 hours</td> </tr> <tr> <td>Participation in practical classes Semester 09 Semester 10</td> <td style="text-align: center;">45hours 45 hours</td> </tr> <tr> <td>Preparation for practical classes and colloquiums Semester 09 Semester 10</td> <td style="text-align: center;">8 hours 7 hours</td> </tr> <tr> <td>Test preparation Semester 10</td> <td style="text-align: center;">15 hours</td> </tr> <tr> <td>Consultations Semester 09 Semester 10</td> <td style="text-align: center;">8 hours 7 hours</td> </tr> <tr> <td>Total number of hours</td> <td style="text-align: center;">150 hours / 30</td> </tr> <tr> <td>Amount of ECTS points per module</td> <td style="text-align: center;">5ETCS</td> </tr> </tbody> </table>	Activity	Student workload	Participation in lectures Semester 09	15 hours	Participation in practical classes Semester 09 Semester 10	45hours 45 hours	Preparation for practical classes and colloquiums Semester 09 Semester 10	8 hours 7 hours	Test preparation Semester 10	15 hours	Consultations Semester 09 Semester 10	8 hours 7 hours	Total number of hours	150 hours / 30	Amount of ECTS points per module	5ETCS
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Didactic cycle Semester 09 and Semester 10																	
Subject status	Language of instruction																
<ul style="list-style-type: none"> • mandatory / facultative 	<p>Polish</p>																
Didactic methods	Forms and methods of passing and general grading criteria or examination requirements																
<ul style="list-style-type: none"> • Lectures with slides and a presentation of clinical cases • Medical interview and a physical examination with elements of and endocrine examination, clinical case analysis • Problem-focused teaching - CLL – analysis of ultrasound, computed tomography, MRI and radiographic images) • Practical exercises with the use of phantoms: 	<p>A. Method of passing</p> <ul style="list-style-type: none"> • examination • passing with a grade* <p>* mark where applicable</p>																

- Phantom of a woman giving birth in the delivery room
- Phantom of the expansion of the vaginal portion
- Phantom an episiotomy or perineal tear for stitching
- Phantom the bony pelvis and the fetus
- Phantom of a newborn in the reanimation room

B. Forms of passing:

- written examination: test / with open questions (exercises)/longer written statement
 - oral examination
 - **oral assessment/colloquium**
 - completion of a semester assignment: preparation of a design or presentation/conducting research and presenting its results(written/oral)/completion of a specified practical work
 - **agreeing on a passing grade based on partial grades received during the course of the semester***
- * mark where applicable

C. Basic grading criteria

Evaluating participation in exercise classes, evaluating preparation for classes, constant observation, partial credit, oral, written, receiving credit for practical classes, oral examination

Definition of preparatory subjects and initial requirements

A. Formal requirements : familiarity with material from the following subjects: histology, cytophysiology and embryology, biochemistry, physiology, anatomy, interpersonal communications, psychology, sociology, previous clinical subjects

B. Initial requirements: familiarity with the knowledge, abilities and competencies specified for the above-mentioned subjects is required

Subject aim

- C1. Familiarizing the students with the ability to diagnose a pregnancy, determine the due date, determine the physical condition of the woman in labor
- C2. Familiarizing the students with the ability to evaluate the progress of birth, confirm the good condition of the fetus
- C3. Familiarizing the students with the ability to diagnose threatening conditions to the fetus, familiarity with the principles of behavior during a high-risk pregnancy
- C4. Familiarity with treating a perineal wound after episiotomy and stitching a wound in a phantom. Familiarity with the abilities to diagnose urgent conditions in obstetrics and with the principles of behavior in such cases
- C5. Familiarity with principles of treating a newborn after birth, familiarity with principles of resuscitating a newborn, diagnosing inborn defects after birth
- C6. Familiarizing the students with how to deal with hormones with regards to sex hormones
- C7. Developing the ability with regards to differential diagnosis of hormone disorders
- C8. Familiarizing the students with aspects regarding problems with differentiating gender, menopause and puberty, hormonal therapy, birth control.

Curriculum

A. Lecture content

Semester 09 ; 5 lectures 3h each = 15h

1. External and internal obstetric examination
2. Cardiotocography and methods of evaluation the condition of the fetus
3. Evaluation of the course of birth
4. Urgent conditions in obstetrics
5. Evaluation of the newborn's condition and treatment after birth
6. Incision and stitching of a perineum after episiotomy or a perineal tear
7. External and internal obstetric examination
8. Cardiotocography and methods of evaluation the condition of the fetus
9. Evaluation of the course of birth
10. Urgent conditions in obstetrics
11. Evaluation of the newborn's condition and treatment after birth
12. Incision and stitching of a perineum after episiotomy or a perineal tear
13. Gynecologic endocrinology

B. Content of clinical exercise classes

Semester 09' 45h

1. Infections in neonatology
2. Woman as a patient
3. Cancer prevention
4. Gynecological endocrinology
5. Abnormal delivery
6. History and progress in newborn care

7. Gestational trophoblastic disease
8. Gynecological endocrinology
9. Premature birth
10. Proliferative endometrium disease

Semester 10; 45h

1. Diagnosing pregnancies. Default, probable and certain symptoms of pregnancy
2. Pathology of early pregnancy. Fetal death. Diagnosis, treatment, complications
3. Imaging diagnosis in gynecology
4. Supervision over the fetus during the I and II trimester of pregnancy
5. Breech presentation birth
6. Healthy, full-term, hypotrophic, hypertrophic newborn
7. Transport of the newborn
8. Screening tests in neonatology
9. Miscarriages
10. Obstetric procedures used during childbirth
11. Ovarian cancer
12. Hyperplasia and endometrial cancer
13. Endometriosis
14. Infections in neonatology
15. Newborn jaundice
16. Endocrine disorders and infertility
17. Imaging examination in gynecology

Literature

A. Literature required to receive a final credit for classes (pass an exam):

Andrzej Witek: Ginekologia. Skrypt dla studentów. Katowice 2014

Położnictwo i Ginekologia, ed. G.H. Bręborowicz, Warszawa 2008

Skałba P.: Diagnostyka i leczenie zaburzeń endokrynologicznych w ginekologii, Kraków 2014

B. Supplementary literature

Ćwiczenia z neonatologii skrypt dla studentów, ed. M.Baumert 2004

Kardiotokografia, G.H. Brębowicz, J. Sikora, W. Markwitz, Warszawa, 2009

Educational effects:

Effect no	Description of an educational effect	Reference to field of study related effects
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Knowledge:

W1	Female reproductive functions and the dysfunctions connected with them as well as the diagnostic and therapeutic treatment especially regarding: <ol style="list-style-type: none"> 1) menstrual cycle and its disorders 2) pregnancy, 3) physiological and pathological birth and puerperium 4) inflammations and cancers of the reproductive organs 5) birth control 6) menopause 7) basic methods of diagnosis and gynecological procedures 	F.W9
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Abilities:

U1	Diagnosing the signs and symptoms of complications during pregnancy (abnormal bleeding, contractile activity of the uterus)	F.U13
U2	Interpreting results of a physical examination of the pregnant woman (arterial pressure, activities of the heart of the mother and fetus) and results of laboratory examinations indicating pregnancy pathologies	F.U14
U3	Interpreting cardiotocography	F.U15
U4	Diagnosing the beginning of labor and its abnormal duration	F.U16

U5	Interpreting signs and symptoms during puerperium	F.U17			
U6	Determining recommendations and contraindications regarding the use of birth control	F.U18			
Social competencies:					
K1	Recognizes his own diagnosis and treatment limitations, educational needs, plans his educational activities				
K2	Can work in a professional team, in a multi-cultural and multi-national environment				
K3	Implements principles of professional collegueship and collaboration with representatives of other professions as far as healthcare				
K4	Protects patient confidentiality and patient rights				
Methods used in the verification of educational effects					
Educational effect	Type of grade				
	colloquiums	Solving problems during exercise classes	Solving problems in groups	Oral examination	Written examination
W1	X			X	
U1	X	x		X	
U2	X	X		X	
U3	X	X		X	
U4	X	X		X	
U5	X	X		X	
U6	x	X		X	
K1-K4		X		X	

Criteria of evaluating educational effects					
Educational effect	For a grade of 3	For a grade of 3.5	For a grade of 4	For a grade of 4.5	For a grade of 5
W1	Exhibits knowledge of the educational content on a level of 60%-69%	Exhibits knowledge of the educational content on a level of 70%-76%	Exhibits knowledge of the educational content on a level of 77%-84%	Exhibits knowledge of the educational content on a level of 85%-92%	Exhibits knowledge of the educational content on a level of 93%-100%
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U2	Exhibits knowledge of the educational content on a level of 60%-	Exhibits knowledge of the educational content on a level of 70%-	Exhibits knowledge of the educational content on a level of	Exhibits knowledge of the educational content on a level of	Exhibits knowledge of the educational content on a level of 93%-100%

	69%	76%	77%-84%	85%-92%	
U3	Exhibits knowledge of the educational content on a level of 60%-69%	Exhibits knowledge of the educational content on a level of 70%-76%	Exhibits knowledge of the educational content on a level of 77%-84%	Exhibits knowledge of the educational content on a level of 85%-92%	Exhibits knowledge of the educational content on a level of 93%-100%
U4	Exhibits knowledge of the educational content on a level of 60%-69%	Exhibits knowledge of the educational content on a level of 70%-76%	Exhibits knowledge of the educational content on a level of 77%-84%	Exhibits knowledge of the educational content on a level of 85%-92%	Exhibits knowledge of the educational content on a level of 93%-100%
U5	Exhibits knowledge of the educational content on a level of 60%-69%	Exhibits knowledge of the educational content on a level of 70%-76%	Exhibits knowledge of the educational content on a level of 77%-84%	Exhibits knowledge of the educational content on a level of 85%-92%	Exhibits knowledge of the educational content on a level of 93%-100%
U6	Exhibits knowledge of the educational content on a level of 60%-69%	Exhibits knowledge of the educational content on a level of 70%-76%	Exhibits knowledge of the educational content on a level of 77%-84%	Exhibits knowledge of the educational content on a level of 85%-92%	Exhibits knowledge of the educational content on a level of 93%-100%