



TOTAL per year:													
80	30			50									
Educational objectives (max. 6 items) C1. Gaining theoretical knowledge concerning anatomy, physiology and pathophysiology of female genital organs and breast diseases in the aspect of human procreation. C2. Normal pregnancy and labor. C3. High risk pregnancy and pathologic labor – obstetric operations. C4. Diagnostics in obstetrics and gynecology. C5. Management 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>									
W 01	F.W9	Knowledge of female normal and abnormal reproductive functions including diagnostic and therapeutic procedures, with particular regard to: - menstrual cycle and its disorders, - normal pregnancy, labor and puerperium, - intrauterine fetal condition surveillance methods, - high risk pregnancy, - pathologic labor, obstetric operations and puerperal complications, - basic methods of diagnostics and surgical treatment of gynecological diseases.	Oral presentation, Test.	L, CC									
U 01	F.U13-17	Achieving practical skills in obstetric and gynecological anamnestic and physical examination. Gaining abilities to make medical diagnosis, to suggest supplementary diagnostic tests and treatment methods of particular gynecological diseases as well as main pathologies of pregnancy, labor and puerperium.	Test.	CC									
** 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:	80
2. Student's own work (self-study):	15
Total student's workload	95
ECTS points for module/course	4,0
Comments	
<p>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)</p>	
<p>Lectures</p> <p>I Department of Gynecology and Obstetrics</p> <ol style="list-style-type: none"> 1. Female genital organs and breast malformations. 2. Main problems of pediatric and adolescent gynecology. 3. Lower female genital tract inflammations. 4. Upper female genital tract and breast inflammations. 5. Principles of gynecological endocrinology - menstruation disorders. 6. Principles of gynecological endocrinology - menopause and senium. Endometriosis. 7. Pelvic organ prolapse and urinary stress incontinence. 8. Diagnostics and treatment of marital infertility. 9. Family planning and contraception. 10. Emergencies in obstetrics and gynecology. 11. Neoplastic diseases of vulva and vagina - precancerous states, benign and malignant lesions. 12. Neoplastic diseases of uterine cervix - precancerous states, benign and malignant lesions. 13. Neoplastic diseases of uterine body - precancerous states, benign and malignant lesions. 14. Neoplastic diseases of ovary and oviduct - benign and malignant lesions. 15. Neoplastic diseases of mammary gland - benign and malignant lesions. 	
<p>Practical classes</p> <p>I Department of Gynecology and Obstetrics</p> <p>II Department of Gynecology and Obstetrics</p> <ol style="list-style-type: none"> 1. <u>Main topics of high risk pregnancy</u>: 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. <u>Pathologic labor</u>: 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. <u>Pregnancy and labor bleedings</u>: 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. <u>Clinical gynecology</u>: 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.
6. 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.
7. 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.
8. 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.
9. Female genital organs and breast malignant neoplastic diseases – classification, diagnostics, treatment, prophylaxis.
10. Civilization changes influence on human procreation. Menstruation disorders. Marital infertility. Family planning and contraception. Menopause – indications and contraindications for hormonal replacement therapy.

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 Merkatz’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)

Final test closing hospital classes, including all the topics of normal pregnancy, labor and puerperium as well as clinical gynecology and gynecological oncology.



Name and address of module/course teaching unit, contact: telephone and e-mail address

I Department of Gynecology and Obstetrics

Chałubińskiego Str.3, 50-368 Wrocław, Tel. 71-7842347

II Department of Gynecology and Obstetrics

Borowska Str.213, 50-556 Wrocław, Tel. 71- 7331400

Coordinator / Person responsible for module/course, contact: telephone and e-mail address

Dr hab. Lidia Hirnle, prof.nadzw.

List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes.

All the academic teachers and PhD students from I and II Department of Gynecology and Obstetrics.

Date of Syllabus development

30.09.2017

Syllabus developed by

Dr Marek Murawski

Signature of Faculty Dean

Wrocław Medical University
FACULTY OF MEDICINE
VICE-DEAN FOR STUDIES IN ENGLISH

Prof. Andrzej Chęć, PhD

Signature of Head of teaching unit

Uniwersytet Medyczny we Wrocławiu
I KATEDRA KLINIKI
GINEKOLOGII I POŁOŻNICTWA
kierownik

dr hab. Lidia Hirnle-prof. nadzw.

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