



## SUBJECT OUTLINE

### 1. Programme of study description

1.1.	<b>THE "CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY</b>
1.2.	<b>THE FACULTY OF MEDICINE / THE CLINICAL DEPARTMENT 13</b>
1.3.	<b>DISCIPLINE: OBSTETRICS AND GYNECOLOGY</b>
1.4.	<b>DOMAIN OF STUDY: Healthcare – regulated sector within the EU</b>
1.5.	<b>CYCLE OF STUDIES: BACHELOR'S DEGREE</b>
1.6.	<b>PROGRAMME OF STUDY: MEDICINE</b>

### 2. Subject description

2.1.	<b>Name of the subject/compulsory subject/elective subject within the discipline: Obstetrics and Gynecology</b>						
2.2.	<b>Location of the discipline:</b>						
2.3.	<b>Course tenured coordinator:</b>						
2.4.	<b>Practicals/clinical rotations tenured coordinator:</b>						
2.5. Year of study	VI	2.6. Semester	XI - XII	2.7. Type of assessment	Written exam and practical exam	2.8. Subject classification	DOS

### 3. Total estimated time (hours/semester of didactic activity) – teaching module

Number of hours per week	25	Out of which: course	10	Clinical rotation	15
Total number of hours from curriculum	140	Out of which: course	50	Clinical rotation	75
Distribution of allotted time	6 weeks x 2 series		2 hours/day		3 hours/day
<b>Study from textbooks, courses, bibliography, and student notes</b>					
<b>Additional library study, study on specialized online platforms and field study</b>					792 hours
<b>Preparing seminars / laboratories, assignments, reports, portfolios and essays</b>					792 hours
<b>Tutoring</b>					
<b>Examinations</b>					
<b>Other activities</b>					217 hours/course, 505 hours internship
<b>Total hours of individual study</b>					
<b>Number of credit points</b>					8

### 4. Prerequisites (where applicable)

4.1. of curriculum	Fundamental knowledge of the anatomy and physiology of the female genital tract
4.2. of competencies	Clinical examination of the obstetrical and gynecology patient



### 5. Requirements (where applicable)

5.1. for delivering the course	Projector, multimedia
5.2. for delivering the clinical rotation	"Prof. Dr. Panait Sârbu" Clinical Hospital of Obstetrics and Gynecology

### 6. Acquired specific competencies

<b>Professional competencies (expressed through knowledge and skills)</b>	<p>At the end of the internship, the student must know:</p> <ul style="list-style-type: none"><li>- the main diseases in the field of obstetrics and gynecology</li><li>- diagnosis and treatment principles of gynecological disorders</li><li>- diagnosis and treatment principles in obstetrics</li></ul> <p>At the end of the internship the student must be able to:</p> <ul style="list-style-type: none"><li>-examine a pregnant patient</li><li>- examine patients with gynecological disorders</li><li>- interpret the clinical and imaging examinations used in obstetrics and gynecology</li><li>- perform obstetrical maneuvers</li></ul>
<b>Transversal competencies (of role, of professional and personal development)</b>	<ul style="list-style-type: none"><li>-To have the ability to work in a medical team</li><li>-To communicate with patients and caregivers</li><li>- To show empathy and professional deontology</li></ul>

### 7. Subject learning objectives (based on the scale of acquired specific competencies)

7.1. General learning objective	<p>At the end of the internship, the student must know:</p> <ul style="list-style-type: none"><li>- the main diseases in the field of obstetrics and gynecology</li><li>- diagnosis and treatment principles of gynecological disorders</li><li>-diagnosis and treatment principles in obstetrics</li></ul>
7.2. Specific learning objectives	<p>At the end of the internship the student must be able to:</p> <ul style="list-style-type: none"><li>-examine a pregnant patient</li><li>- examine patients with gynecological disorders</li><li>- interpret the clinical and imaging examinations used in obstetrics and gynecology</li><li>- perform obstetrical maneuvers</li></ul>



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## 8. Content

8.1. Course	Teaching methods	Observations
1 Gametogenesis. Ovulation. Fertilization. Nidation. Placentation. Physiology of the placenta.	Multimedia Projector Medical simulators	
2 Maternal physiology – adaptive changes in the maternal organism in pregnancy.	Multimedia Projector Medical simulators	
3 Prenatal diagnosis. Principles and methods. Fetal abnormalities and malformative syndromes	Multimedia Projector Medical simulators	
4 The determinism of labor. Uterine contraction. The mechanism of birth. Periods of childbirth.	Multimedia Projector Medical simulators	
5 Dynamic dystocia. Mechanical dystocia.	Multimedia Projector Medical simulators	
6 Pelvic presentation, transverse and deflected presentations – presentations, positions, position varieties.	Multimedia Projector Medical simulators	
7 Hemorrhages in the first part of pregnancy – Abortion, Ectopic pregnancy. Gestational trophoblastic disease	Multimedia Projector Medical simulators	
8 Hemorrhages of the second half of pregnancy – praevia placenta. Premature separation of the normally implanted placenta (Abruptio placentae). Uterine rupture.	Multimedia Projector Medical simulators	
9 Pathological postpartum period. Physiological postpartum period	Multimedia Projector Medical simulators	
10 Premature birth. Prolonged pregnancy.	Multimedia Projector Medical simulators	
11 Gestational arterial hypertension. Pathology of the amniotic fluid.	Multimedia Projector Medical simulators	
12 In utero fetal growth restriction. Acute fetal distress. Fetal death in utero.	Multimedia Projector Medical simulators	
13 Multiple pregnancy. Incompatibility of Rh and AB0	Multimedia Projector Medical simulators	
14 Infectious diseases associated with pregnancy.	Multimedia Projector Medical simulators	
15 Maternal pathology associated with pregnancy	Multimedia Projector Medical simulators	
16 Menstrual cycle. Disorders of the menstrual cycle	Multimedia Projector Medical simulators	
17 Low genital infections and pelvic inflammatory disease	Multimedia Projector Medical simulators	
18 Urinary incontinence and pelvic	Multimedia Projector	



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floor disorders	Medical simulators	
19 Uterine fibromatosis. Uterine malformations	Multimedia Projector Medical simulators	
20 Precancerous cervical lesions and cervical cancer.	Multimedia Projector Medical simulators	
21 Uterine Cancer . Endometriosis	Multimedia Projector Medical simulators	
22 Tumors of the ovary – benign and malignant.	Multimedia Projector Medical simulators	
23 Benign and malignant breast pathology	Multimedia Projector Medical simulators	
24 Female infertility and notions of assisted reproductive techniques	Multimedia Projector Medical simulators	
25 Puberty and menopause	Multimedia Projector Medical simulators	
26 The newborn at term. Premature newborn	Multimedia Projector Medical simulators	
27 Neonatal emergencies	Multimedia Projector Medical simulators	
28 Particular clinical entities in neonatology	Multimedia Projector Medical simulators	

<b>8.2. Clinical rotation</b>	<b>Teaching methods</b>	<b>Observations</b>
1.Observation sheet obstetrics and gynecology. Clinical examination of the breast and axillae	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
2.Anatomy, histology, embryology and physiology of the genital tract	Multimedia Projector	
3.The Obstetrical bone pelvis . Fetal mobile	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
4.Definition, signs and diagnosis of pregnancy	Multimedia Projector	
5.Assistance at birth in the cranial flexed presentation	medical simulators, clinical activity in examination room and operating rooms	
6.Assistance in childbirth in pelvic presentation	Multimedia Projector	
7.Placental delivery and attitudes in placental delivery. Hemorrhages in postpartum	medical simulators, clinical activity in examination room and operating rooms	
8.Perineotomy. Episiotomy	Multimedia Projector	
9.Aneuploidy first trimester markers. Aneuploidy second trimester markers	medical simulators, clinical activity in examination room and operating rooms	
10.Ultrasonography diagnostic elements in I, II and III trimester	Multimedia Projector	
11.Fetal monitoring	medical simulators, clinical activity in examination room and operating rooms	
12.Interventions in IT – trophoblast biopsy	Multimedia Projector	



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13.Fetal malformations	medical simulators, clinical activity in examination room and operating rooms	
14.Caesarean section	Multimedia Projector	
15.Surveillance of the postpartum period. Pathology of postpartum period. Puerperal infection	medical simulators, clinical activity in examination room and operating rooms	
16.Prenatal consultation. Drugs in pregnancy- teratogenicity	Multimedia Projector	
17.Pregnancy with high obstetrical risk	medical simulators, clinical activity in examination room and operating rooms	
18.Vaginal biocenosis. Vaginitis. Vaginosis. Vaginal cytological examination.	Multimedia Projector	
19.Algorithm for the diagnosis of the cervical lesions. HPV infection	medical simulators, clinical activity in examination room and operating rooms	
20.Algorithm for the diagnosis of genital tract bleeding	Multimedia Projector	
21.Algorithm for the diagnosis of urinary incontinence in a woman	medical simulators, clinical activity in examination room and operating rooms	
22.Algorithm for the diagnosis of subfertility in a couple	Multimedia Projector	
23.Contraception. Family planning-clinical cases.	medical simulators, clinical activity in examination room and operating rooms	
24.Pre-operative preparation of the patient for gynecological interventions. Techniques of specific investigations in obstetrics gynecology	Multimedia Projector	
25.Surgical techniques and principles in obstetrics and gynecology – open pelvic surgery, laparoscopy, hysteroscopy, robotic surgery, methods of external ablation	medical simulators, clinical activity in examination room and operating rooms	
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**Bibliography for course and clinical rotation**

Unique course of the department

**9. Corroboration of the subject content with the expectations of the representatives of the epistemic community, professional associations, and major employers in the field of the programme of study**

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**10. Assessment**

Type of activity	Assessment criteria	Assessment methods	Assessment weighting within the final grade
Course	Knowledge of theoretical notions	Multiple choice test with 60 questions: 54 from obstetrics gynecology and 6 questions from neonatology. Simple or multiple/grouped answers.	100 %



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<b>Clinical rotation</b>	Performing the main treatment maneuvers  Ability to interpret clinical and imaging examinations	Practical exam with the group assistant or the head of discipline	Admitted/Rejected

**Minimum performance standard**

Minimum 50% for each component of the evaluation

**Date of filing**

**Signature of the course tenured coordinator**

**Signature of the seminar tenured coordinator**

**Date of approval in the Council of the Department:**

**Signature of the Head of the Department**