



UNIVERSITATEA DE MEDICINĂ ȘI FARMACIE
"CAROL DAVILA" din BUCUREȘTI

Str. Dionisie Lupu nr. 37, Sector 2, București, 020021 România, www.umfcd.ro, email: rectorat@umfcd.ro



University of Medicine and Pharmacy "Carol Davila" Bucharest

DISCIPLINE SHEET - 2024

1. Facts about the program

1.1.	UNIVERSITY OF MEDICINE AND PHARMACY "CAROL DAVILA"
1.2.	FACULTY OF MEDICINE/ DEPARTMENT
1.3.	OBSTETRICS AND GYNECOLOGY DISCIPLINE
1.4.	FIELD OF STUDY : Health
1.5.	CYCLE OF STUDIES: BACHELOR'S DEGREE
1.6.	STUDY PROGRAM: MEDICINE

2. Discipline data

2.1.	Name of the compulsory/ optional discipline within the discipline: Obstetrics and Gynecology
2.2.	Location of the discipline: Clinical Hospital of Obstetrics and Gynecology "Prof. Dr. Panait Sârbu"
2.3.	Course holder University Professor - Brătilă Elvira ; Age - 49 years; seniority in teaching activity 23 years Lecturer - Mitran Mihai; Age – 49 years; seniority in teaching activity 27 years Lecturer - Velișcu Andreea Marilena; Age – 43 years; seniority in teaching activity 16 years
2.4.	Holder of Ip activities / clinical internship Assistant Professor Dr. - Neagu Manuela Ștefana; Age – 50 years; seniority in teaching activity 21 years Assistant Professor, PhD - Botezatu Bogdan; Age – 49 years; seniority in teaching activity 21 years Assistant Professor, PhD – Coroleuca Ciprian Andrei; Age – 38 years; seniority in teaching activity 13 years Asistent Universitar Dr. Comandașu Diana Elena - Age 37 years; seniority in teaching activity 12 years Assistant Professor Dr. Maier Călina - Age 37 years; seniority in teaching activity 10 years



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	<p>Assistant Professor Dr. Nada Silvia Elena - Age – 35 years; seniority in teaching activity 9 year</p> <p>Assistant Professor Dr. Bausic Alexandra Irma Gabriela - Age – 31 years; seniority in teaching activity 3 year</p>						
2.5. Year of study	VI	2.6. Semester	II - XII	2.7. Type of assessment	Written exam and practical exam	2.8. Discipline regime	Obligatory DOS

3. Estimated total time (hours/semester of teaching activity) – modular education

Number of hours per week	25 HOURS	of which : course	10 HOURS	Clinical internship	15 HOURS
Total hours of the curriculum	140 hours	Of which : course	56 hours	Clinical internship	84 hours
Time fund distribution	6 weeks		2 hours/day		3 hours/day
Study by textbook, course support, bibliography and notes					
Additional documentation in the library, on specialized electronic platforms and in the field					
Preparation of seminars / laboratories, themes, papers, portfolio and essays					
Tutoring					
Examination					
Other activities – Resident courses					
Total hours of self-study					
Number of credits			8		

4. Preconditions (where applicable)

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



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5. Conditions (where applicable)

5.1. course conduct	Projector, multimedia
5.2. conducting the clinical period	"Prof. Dr. Panait Sârbu" Clinical Hospital of Obstetrics and Gynecology

6. Acquired specific skills

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

7. Objectives of the discipline (based on the grid of specific competences accumulated)

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

8. Content

8.1. Course	Teaching methods	Obs.
COURSE 1. Gametogenesis. Ovulation. Fertilization. Nidation. Placentation. Physiology of the placenta.	Multimedia Projector Medical simulators	
COURSE 2. Maternal physiology – adaptive changes in the maternal organism in pregnancy.	Multimedia Projector Medical simulators	
COURSE 3. Prenatal diagnosis. Principles and methods. Fetal abnormalities and malformative syndromes	Multimedia Projector Medical simulators	
COURSE 4. The determinism of labor. Uterine contraction. The mechanism of birth. Periods of childbirth.	Multimedia Projector Medical simulators	
COURSE 5. Dynamic dystocia. Mechanical dystocia.	Multimedia Projector Medical simulators	
COURSE 6. Pelvic presentation, transverse and deflected presentations – presentations, positions, position varieties.	Multimedia Projector Medical simulators	
COURSE 7. Hemorrhages in the first part of pregnancy – Abortion, Ectopic pregnancy. Gestational trophoblastic disease	Multimedia Projector Medical simulators	
COURSE 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	
COURSE 9. Pathological postpartum period. Physiological postpartum period	Multimedia Projector Medical simulators	
COURSE 10. Premature birth. Prolonged pregnancy.	Multimedia Projector Medical simulators	
COURSE 11. Gestational arterial hypertension. Pathology of the amniotic	Multimedia Projector	



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fluid.	Medical simulators	
COURSE 12. In utero fetal growth restriction. Acute fetal distress. Fetal death in utero.	Multimedia Projector Medical simulators	
COURSE 13. Multiple pregnancy. Incompatibility of Rh and ABO	Multimedia Projector Medical simulators	
COURSE 14. Infectious diseases associated with pregnancy.	Multimedia Projector Medical simulators	
COURSE 15. Maternal pathology associated with pregnancy	Multimedia Projector Medical simulators	
COURSE 16. Menstrual cycle. Disorders of the menstrual cycle	Multimedia Projector Medical simulators	
COURSE 17. Low genital infections and pelvic inflammatory disease	Multimedia Projector Medical simulators	
COURSE 18. Urinary incontinence and pelvic floor disorders	Multimedia Projector Medical simulators	
COURSE 19. Uterine fibromatosis. Uterine malformations	Multimedia Projector Medical simulators	
COURSE 20. Precancerous cervical lesions and cervical cancer.	Multimedia Projector Medical simulators	
COURSE 21. Uterine Cancer . Endometriosis	Multimedia Projector Medical simulators	
COURSE 22. Tumors of the ovary – benign and malignant.	Multimedia Projector Medical simulators	
COURSE 23. Benign and malignant breast pathology	Multimedia Projector Medical simulators	
COURSE 24. Female infertility and notions of assisted reproductive techniques	Multimedia Projector Medical simulators	
COURSE 25. Puberty and menopause	Multimedia Projector Medical simulators	
COURSE 26. The newborn at term. Premature newborn	Multimedia Projector Medical simulators	
COURSE 27. Neonatal emergencies	Multimedia Projector Medical simulators	
COURSE 28. Particular clinical entities in neonatology	Multimedia Projector Medical simulators	
8.2. Clinical period	Teaching methods	Obs
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 medical simulators, clinical	



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	activity in examination room and operating rooms	
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 medical simulators, clinical activity in examination room and operating rooms	
5. Assistance at birth in the cranial flexed presentation	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
6. Assistance in childbirth in pelvic presentation	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
7. Placental delivery and attitudes in placental delivery. Hemorrhages in postpartum	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
8. Perineotomy. Episiotomy	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
9. Aneuploidy first trimester markers. Aneuploidy second trimester markers	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
10. Ultrasonography diagnostic elements in I, II and III trimester	<i>One practical class/ clinical rotation will take place at “Centrul digital de training în tratamentul minim-invaziv și intervențional”, in Thomas Masaryk str., no. 19, founded through the project with European funding e-PNRR: 2009669020, within the Obstetrics-gynecology</i>	



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	<i>Laboratory, by using medical simulators - Ultrasound Mentor (simulator for general ultrasound), BodyWiz (virtual anatomy board) and Samed (simulator for hysteroscopy, with workstation).</i>	
11. Fetal monitoring	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
12. Interventions in IT – trophoblast biopsy	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
13. Fetal malformations	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
14. Caesarean section	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
15. Surveillance of the postpartum period. Pathology of postpartum period. Puerperal infection	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
16. Prenatal consultation. Drugs in pregnancy- teratogenicity	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
17. Pregnancy with high obstetrical risk	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
18. Vaginal biocenosis. Vaginitis. Vaginosis. Vaginal cytological examination.	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	



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19. Algorithm for the diagnosis of the cervical lesions. HPV infection	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
20. Algorithm for the diagnosis of genital tract bleeding	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
21. Algorithm for the diagnosis of urinary incontinence in a woman	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
22. Algorithm for the diagnosis of subfertility in a couple	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
23. Contraception. Family planning- clinical cases.	Multimedia Projector 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 medical simulators, clinical activity in examination room and operating rooms	
25. Surgical techniques and principles in obstetrics and gynecology – open pelvic surgery, laparoscopy, hysteroscopy, robotic surgery, methods of external ablation	Multimedia Projector medical simulators, clinical activity in examination room and operating rooms	
Bibliography course and clinical internship Unique course of the department		

9. Corroborating the contents of the discipline with the expectations of the representatives of the epistemic community, professional associations and representative employers in the field related to the program



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10. Evaluation

Type of activity	Assessment criteria	Valuation methods	Percentage of the final grade
Course	Knowledge of theoretical notions	Multiple choice test with 60 questions: 50 from obstetrics gynecology and 10 questions from neonatology. Simple or multiple/grouped answers.	100 %
Clinical internship	Performing the main treatment maneuvers	Practical exam with the group assistant or the head of discipline	Admitted/Rejected
	Ability to interpret clinical and imaging examinations		
Minimum performance standard			
Minimum 50% for each component of the evaluation			

Date of completion:

...19.09.2024....

Signature of the course holder

Signature of the seminar holder

University Professor -
Brătilă Elvira

Date of endorsement in the
Department's Board:

.....20.09.2024.....

Signature of the department director
University Professor - Brătilă Elvira