



UNICAMILLUS

Medicine and Surgery Degree Course

Teaching: **Obstetrics and Gynecology**

SSD: MEDS-21/A (ex Med/40)

Number of CFU: 5

Professor responsible: [Barbara Costantini](#)

Teachers:

Barbara Costantini	(1 CFU)	e-mail: barbara.costantini@unicamillus.org
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PREREQUISITES

Good knowledge of the basic notions of Anatomy, Histology, Biology, Pathology and Human Physiopathology and Endocrinology.

LEARNING OBJECTIVES

The Integrated Course in Obstetrics and Gynecology aims to achieve the specific training objectives of pathophysiology and clinic (under the preventive, diagnostic and therapeutic profile) regarding the reproductive function, pregnancy, childbirth and the puerperium, and the main functional and organic alterations, benign or malignant, of the female genital system.

EXPECTED LEARNING OUTCOMES

At the end of the integrated course the student must have deepened theoretical knowledge in the field of obstetric-gynecological pathophysiology, in reference to pregnancy, benign and malignant gynecological pathology and reproductive function.

The student must also have acquired basic notions of diagnostics and therapy and must have deepened theoretical and applied knowledge in the field of obstetric-gynecological first aid pathology, honing their collaboration skills with various doctors.

ABILITY TO APPLY KNOWLEDGE AND UNDERSTANDING

The general objective of the integrated teaching of Obstetrics and Gynecology is to provide the student with the diagnostic and therapeutic capacity of the main obstetric-gynecological and reproductive pathologies.

At the end of the course the student will be able to apply the specific knowledge acquired in the clinical field.

COMMUNICATION SKILLS

The student will be able to adequately describe obstetric-gynecological pathologies, their diagnosis and subsequent therapy.

INDEPENDENT JUDGMENTS

At the end of the course, the student will have learned the appropriate diagnostic tools for a correct diagnosis of obstetric-gynecological pathologies and will be able to independently develop the appropriate therapeutic paths.

LEARNING ABILITY



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The student will have acquired skills and learning methods suitable for deepening and improving their skills in the field of Obstetrics and Gynecology also through consultation of scientific literature.

COUSE SYLLABUS

- Outline of embryology of the female genital system
- The anatomical and biological basis of the reproductive function
- Physiopathology of the female and male reproductive system
- Amenorrhea, chronic anovulatory and hyperandrogenism, and other abnormalities of the menstrual cycle.
- Dysmenorrhea and premenstrual syndrome
- Gynecological diagnostics
- Women's sexuality and its dysfunctions
- Menopause and contraception
- Fertilization and nesting
- The techniques of PMA
- Preimplantation genetic diagnosis
- Principles of obstetrics semeiotics
- First trimester miscarriage and repeated miscarriage
- Ectopic pregnancy, diagnosis and treatment
- Prenatal diagnosis (NIPT, Villocentesis, amniocentesis)
- Monitoring of pregnancy and fetal growth
- Multiple pregnancy
- Infectious diseases in pregnancy
- Second trimester abortion (and cervical cerclage)
- Pathologies of pregnancy: Hypertension in pregnancy, gestational diabetes, hepatitis
- Childbirth labor and fetal monitoring
- Childbirth (eutocic, operative, Caesarean section)
- Postpartum pathologies
- Law 194 and abortion
- Surgical Anatomy
- Preoperative, intraoperative and postoperative considerations
- Surgical techniques: minimally invasive surgery, laparoscopy, laparotomy, hysteroscopy
- Adnexal Mass
- Myomas
- Endometriosis
- Cervical Cancer
- Benign and malignant pathology of the endometrium: polyps, hyperplasia and carcinoma of the endometrium
- Ovarian tumors
- Tumors of the vulva of the vagina
- Urogenital prolapse
- Urinary incontinence
- Chronic pelvic pain
- Vaginal infections and PID

COURSE STRUCTURE



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Clinical case discussions and 50 hours of lectures, divided into sessions lasting 2 to 4 hours based on the academic calendar. Teachers make use of teaching tools such as presentations organized in Powerpoint files with explanatory diagrams, illustrations and images to describe the various topics. Films and discussion of clinical cases could be used to integrate the lessons carried out in class. Attendance is mandatory.

COURSE GRADE DETERMINATION

Oral examination with questions about theory and clinical cases. The oral examination will assess the student's ability to have acquired the basic knowledge and to be able to communicate it clearly and with propriety of language. The student must be able to apply the acquired knowledge independently in clinical practice.

The final grade will be expressed out of thirty and will result from the sum of the scores that each teacher will have available.

During the oral exam the student's ability to apply and expound knowledge appropriately will be evaluated. In particular, the exam will be evaluated according to the following criteria:

Failed: important deficiencies and / or inaccuracies in knowledge and understanding of the topics; limited capacity for analysis and synthesis, frequent generalizations.

18-20: knowledge and understanding of the subjects quite sufficient with possible imperfections; ability to analyze, synthesis and sufficient judgment autonomy.

21-23: Knowledge and understanding of routine topics; Correct analysis and synthesis skills with coherent logical argumentation.

24-26: Fair knowledge and understanding of the topics; good analysis and synthesis skills with rigorously expressed arguments.

27-29: Knowledge and understanding of the subjects complete; remarkable analytical skills, synthesis. Good independence of judgment.

30-30L: Excellent level of knowledge and understanding of the topics. Considerable analytical and synthesis skills and autonomy of judgment. Arguments expressed in an original way.

OPTIONAL ACTIVITIES

The student will be given the opportunity to participate in seminars, hospital internship, internship in highly specialized laboratories. The number of students who can participate in the internships will not exceed three a time.

READING MATERIALS

The recommended textbooks should be considered as reference teaching material.

However

students may choose the text(s) they prefer or deem most suitable for their learning needs. Additional material will be provided by the lecturer.

- **Williams Gynecology (4th Edition)**, Barbara L. Hoffman, John O. Schorge, Karen
- D. Bradshaw, Lisa M. Halvorson, Joseph I. Schaffer, Marlene M. Corton
- **Williams Obstetrics (25th Edition)**, F. Gary Cunningham, Kenneth J. Leveno, Steven L. Bloom, Jodi S. Dashe, Barbara L. Hoffman, Brian M. Casey, Catherine Y. Spong
- **Ostetricia e ginecologia**, Nicola Colacurci, Luigi Cobellis, Pasquale De Franciscis
- **Ginecologia e ostetricia**, Pescetto - De Cecco - Pecorari - Ragni • 2017