

Degree	Type	Year
2502442 Medicine	OT	4

## Contact

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## Teaching groups languages

You can view this information at the [end](#) of this document.

## Prerequisites

To attend the fourth year or higher of the Degree in Medicine

The student will acquire the commitment to preserve the confidentiality and professional secrecy of the data that can be accessed due to the learning of health care services.

Also by maintaining an attitude of professional ethics in all its actions

## Objectives and Contextualisation

Obtain more in-depth information on the concepts of maternal-fetal medicine. It must be borne in mind that, at this time,

any negative influence on the pregnancy may have as a consequence the affectation of the fetus, but also of the newborn and subsequent adult.

Epigenetic mechanisms can explain situations in adult life that begin in fetal life.

## Competences

- Be able to work in an international context.
- Demonstrate an understanding of the fundamentals of action, indications, efficacy and benefit-risk ratio of therapeutic interventions based on the available scientific evidence.
- Demonstrate understanding of the mechanisms of alterations to the structure and function of the systems of the organism in illness.
- Demonstrate understanding of the organisation and functions of the genome, the mechanisms of transmission and expression of genetic information and the molecular and cellular bases of genetic analysis.
- Demonstrate, in professional activity, a perspective that is critical, creative and research-oriented.
- Establish a diagnostic approach and a well thought-out strategy for action, taking account of the results of the anamnesis and the physical examination, and the results of the appropriate complementary tests carried out subsequently.

- Formulate hypotheses and compile and critically assess information for problem-solving, using the scientific method.
- Indicate the basic diagnosis techniques and procedures and analyse and interpret the results so as to better pinpoint the nature of the problems.
- Maintain and sharpen one's professional competence, in particular by independently learning new material and techniques and by focusing on quality.

## Learning Outcomes

1. Assess the need, indications, contraindications, chronology, risk, benefits and costs of each examination.
2. Assess the relationship between efficacy and risk in the main therapeutic interventions.
3. Be able to work in an international context.
4. Demonstrate, in professional activity, a perspective that is critical, creative and research-oriented.
5. Describe the diagnosis, prognosis, prevention and treatment for the most common genetic pathologies in the human population.
6. Establish a therapeutic action plan considering the needs of patients and their family and social environment, and involving all members of the healthcare team.
7. Explain the mechanisms by which illness affects the different systems of the human body at different stages in life and in both sexes.
8. Formulate hypotheses and compile and critically assess information for problem-solving, using the scientific method.
9. Maintain and sharpen one's professional competence, in particular by independently learning new material and techniques and by focusing on quality.
10. Relate genetic dysfunction to the pathological phenotype.

## Content

Theoretical classes (12 hours)

1. Repetition abortion
2. Assisted reproduction techniques
3. Prenatal diagnosis: advances and limitations
4. Fetal therapy
5. Infections and pregnancy
6. Induction of labor. Controversies
7. Dystocic part: instrumented and cesarean section
8. Obesity, advanced maternal age and pregnancy.
9. Drug abuse during gestation
10. Cancer and pregnancy
11. Thrombophilia, MTVP and pregnancy
12. Autoimmune diseases and pregnancy

Seminars of clinical cases

(3 sessions of 1 hour)

Clínicas asistenciales-PCA-

(5 modules 3 hours: 15 hours)

Check Obstetrics Risk (morning)

Birth room (afternoon or weekend)

## Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
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Type: Directed

ASISTENCIAL CLINICAL PRACTICES (PCAh)	15	0.6	
Specialized seminars (SEM)	3	0.12	
THEORY (TE)	12	0.48	
Type: Autonomous			
SELF-STUDY	41.5	1.66	1, 2, 3, 4, 6, 7, 8, 9, 10

This guide describes the framework, contents, methodology and general rules of the subject, in accordance with the current curriculum.

The final organization of the subject with regard to the number and size of groups, distribution in the calendar and dates of examinations,

Specific criteria for evaluation and review of exams will be specified in each of the Hospital Teaching Units (UUDHH),

which will be explained through its web pages and the first day of class of each subject, through the responsible professors of the subject at the UUDHH.

In the current exceptional circumstances, at the discretion of the teachers and also depending on the resources available and the public health situation, some of the theoretical classes, practicals and seminars organized by the Teaching Units may be taught either in person or virtually.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

## Assessment

### Continuous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Clinical Objective assessment	30%	1.5	0.06	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
Written assessments with objective tests: multiple choice tests	70%	2	0.08	1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Compulsory attendance at classes, seminars and practices

One final exam, type of test 70% note.

The remaining 30% of the mark will be the active participation in the clinical case seminars and the PCA.

Seminars and PCA are obligatory.

This subject does not provide the single assessment system.

## Bibliography

### Bibliography

- Tratado de Ginecología, Obstetricia y Medicina de la Reproducción. 2 tomos. Luis Cabero Roura. Editorial Médica Panamericana.
- Ginecología. J. González-Merlo. Editorial Masson.
- Ginecología Oncológica.

J. González-Merlo. Editorial Masson.  
- Endocrinología Ginecológica Clínica y Esterilidad.  
Leon Speroff. Editorial LWW.  
- PROTOCOLOS DE MEDICINA MATERNO-FETAL  
Ll. Cabero y M.A. Sánchez. Ediciones Ergon. Barcelona 2009.

- Medicina materno-fetal. L Cabero (Ed Medica Panamericana)  
- Manual del residente L. Cabero y cols. SEGO. 2005 (en CD)  
- URGENCIAS EN GINECOLOGÍA Y OBSTETRICIA M.L. Cañete y L. Cabero. Editorial FISCAM. 2008  
- EL CONTROL DE LA MUJER L. Cabero, J. Calaf, D. Saldivar Editorial Mayo, Barcelona 2009

#### Internet resources

- Sociedad Española de Ginecología y Obstetricia: [www.sego.es](http://www.sego.es)  
- Societat Catalana de Ginecologia i Obstetrícia: <https://webs.academia.cat/societats/ginecol/>  
- Protocols Medicina fetal Hospital Clínic Barcelona: <https://fetalmedicinebarcelona.org/protocolos/>  
- [www.glowm.com/](http://www.glowm.com/)

#### Software

There is no need for any specific software

#### Language list

Information on the teaching languages can be checked on the CONTENTS section of the guide.