



Information about the subject

Degree: Bachelor of Science Degree in Medicine

Faculty: Faculty of Medicine and Health Sciences

Code: 340408 **Name:** Obstetrics and Gynaecology

Credits: 9,00 **ECTS Year:** 4 **Semester:** 1/2

Module: Human Clinical Training

Subject Matter: Human Pathology **Type:** Compulsory

Field of knowledge: Health Science

Department: Surgical Specialities

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:

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Module organization

Human Clinical Training

Subject Matter	ECTS	Subject	ECTS	Year/semester
Human pathology basis	6,00	General Pathology I	3,00	3/1
		General Pathology II: Analysis by Problems	3,00	3/2
Psychology	6,00	Medical Psychology and Psychopathology	6,00	3/2
Human Pathology	102,00	Clinical Allergology and Immunology	3,00	3/2
		Dermatology	6,00	5/1
		Endocrinology and Nutrition	6,00	5/2
		Haematology	3,00	3/2
		Infectious Diseases	3,00	3/2
		Medical Oncology and Radiotherapy	3,00	5/2
		Medicine and Surgery of the Cardiocirculatory System	9,00	4/2
		Medicine and Surgery of the Digestive System	6,00	4/1
		Medicine and Surgery of the Musculoskeletal System	9,00	4/2
		Medicine and Surgery of the Nephro-Urological System	6,00	5/1



Human Pathology	Medicine and Surgery of the Nervous System	9,00	5/2
	Medicine and Surgery of the Respiratory System	6,00	3/2
	Obstetrics and Gynaecology	9,00	4/2
	Ophthalmology	3,00	3/2
	Otorhinolaryngology	3,00	4/2
	Paediatrics	9,00	5/2
	Palliative Medicine	3,00	6/1
	Psychiatry	3,00	5/1
	Rheumatology	3,00	4/2

Recommended knowledge

We recommend having a thorough understanding of the anatomy of the female reproductive system and its relationship within the pelvis. This includes the anatomy of the vulva, vagina, uterus, ovaries, fallopian tubes, mammary glands, and adjacent organs, as well as vascularization, innervation, and the lymphatic system.

We recommend having knowledge of the hormonal physiology of the hypothalamic-pituitary-ovarian axis.

We recommend reviewing the subject of Embryology, including knowledge of the stages of embryonic and fetal development, as well as the processes of fertilization, implantation, and placentation.

We recommend reviewing the subjects of Microbiology and Infectious Diseases.

We recommend training in basic skills for patient history taking and physical examination, as well as the interpretation of basic complementary tests.

We recommend understanding the importance of Ethics and Communication, respecting patient confidentiality and autonomy, especially in sensitive topics such as reproductive health, sexuality, and pregnancy.



Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 Know the anatomy and physiology of the female genital tract as well as its modifications in the different stages of development of the woman (prepuberal, reproductive age and postmenopause)
- R2 Being able to diagnose, raise a differential diagnosis and offer therapeutic options for major obstetric and gynecological pathologies
- R3 Guidelines for action in obstetric and gynecological emergencies
- R4 Know specific aspects of benign, malignant gynecological tumor pathology and early diagnosis of gynecological cancer.
- R5 Recognize, diagnose and guide the management of the main gynecological pathologies.
- R6 Know theoretical and practical aspects of the most common surgical procedures in gynecology and obstetrics.
- R7 Make an Obstetric-Gynecological Medical History
- R8 Perform gynecological examination and vaginal cytology intake
- R9 Labor assistance. Obstetric exploration (1 face-to-face obstetric guard). Detection of delivery periods. Diagnosis of fetal well-being and pathology that may occur in childbirth. Diagnosis of possible complications.
- R10 Attendance for spontaneous childbirth (1 face-to-face obstetric guard). Detection of the type of presentation and fetal situation. Learning the right attendance at spontaneous childbirth and placental delivery.
- R11 Up-to-date knowledge of the etiology, mechanisms and symptoms of cardiovascular disease.
- R12 Correctly guide medical and surgical treatment of cardiovascular diseases.
- R13 Know and face-to-face the use of other complementary techniques used in Cardiology (ECO, Stress Test, Holter, Interventionism)
- R14 Witness and collaborate in the elaboration of the patient's medical history with the data obtained from anamnesis, complementary physical examination



- R15 Know the interrelationships between the different states involved in the care, care and treatment of patients.
- R16 Know the main pharmacological and non-pharmacological therapeutic means.
- R17 Know the interrelationships with other medical and surgical specialties.
- R18 Assess the risk/benefit ratio of diagnostic and therapeutic procedures. Know the indications of biochemical, haematological, immunological, microbiological, anatomopathological, functional and imaging tests.
- R19 Be able to establish diagnosis, prognosis and treatment by applying principles based on the theory studied.
- R20 Formulate hypotheses, collect and critically assess problem-solving information, following the scientific method.
- R21 Obtain and develop a medical history that contains all the information relevant from a surgical point of view without forgetting the holistic concept of the disease.
- R22 Having the ability to develop an initial diagnostic judgment and establish a reasoned diagnostic strategy, based on the axiom "primun non nocere"
- R23 Being able to search for bibliographic information from different sources and knows how to analyze it in a critical spirit
- R24 Being able to properly record the information obtained and produce reports
- R25 Knowing how to assess the severity of the various infectious tables
- R26 Establish analytical and imaging studies should be done in different clinical situations with suspected infection.
- R27 Properly interpret the results of diagnostic tests.
- R28 Be familiar with the main prescriptions of antimicrobial treatment.
- R29 Know the normal values of the most important haematological parameters and their main deviations.
- R30 Know how to use and interpret physical scan results and laboratory parameters.
- R31 Be able to properly record the information obtained and prepare reports.



- R32 Distinguish in a peripheral blood extension: blood cells, neutrophils, monocyte lymphocytes, eosinophils, basophils, and platelets.
- R33 Select the necessary diagnostic tests
- R34 Knowing how to use different diagnostic techniques in the clinic
- R35 Interpret the results obtained in the diagnostic tests
- R36 Search for information in bibliographic sources and know how to analyze them
- R37 Understand the importance of anamnesis and physical examination data for diagnostic guidance
- R38 Being able to establish a differential diagnosis of symptoms and signs
- R39 Being able to properly record the information obtained and produce reports
- R40 Being able to search for bibliographic information from different sources and knows how to analyze it in a critical spirit
- R41 Knowing and mastering the art of listening as a basic instrument for the exercise of the medical profession, developing the theoretical-practical work of empathy in the doctor-patient relationship
- R42 Identify and interpret the main clinical manifestations of the disease
- R43 Being able to develop a diagnostic judgment based on anamnesis and exploration data
- R44 Being able to optimize the use of diagnostic and therapeutic resources
- R45 Search for information in bibliographic sources and know how to analyze them.
- R46 Being able to develop a diagnostic judgment based on anamnesis and physical examination data
- R47 Understanding the process of carrying out differential diagnosis
- R48 To know the main pharmacological and non-pharmacological therapeutic means



- R49 Identify the clinical problems raised and request the necessary complementary tests to confirm the initial diagnostic suspicion.
- R50 Identify the most appropriate therapeutic options for the patient, taking into account their risks and limitations
- R51 Make an adequate prognosis on the severity of the disease.
- R52 To recommend the European Code against Cancer, to know and be able to advise on it for the prevention of cancer. To know which tumours benefit from early diagnosis and how it is carried out, what the benefit is for the individual and society, its cost/efficiency ratio.
- R53 To know the radiological or non-radiological explorations that must be requested to stage the most frequent tumours such as lung, breast, rectum and prostate.



Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

BASIC		Weighting			
		1	2	3	4
CB1	Students have demonstrated to possess and understand knowledge in a study area that starts from the base of the general secondary education, and is usually found at a level that, while supported by advanced textbooks, also includes some aspects that involve knowledge from the forefront of their field of study				X
CB2	Students know how to apply their knowledge to their job or vocation in a professional way and possess the competences that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study				X
CB3	Students have the ability to collect and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant social, scientific or ethical topics				X
CB4	Students can pass on information, ideas, problems and solutions to both a specialized and non-specialized audience				X
CB5	Students have developed the learning skills needed to undertake further studies with a high degree of autonomy				X
GENERAL		Weighting			
		1	2	3	4
CG4	Developing professional practice with respect to patient autonomy, beliefs and culture			X	
CG5	Recognizing the limitations themselves and the need to maintain and update their professional competence, giving special importance to the autonomous learning of new knowledge and techniques and to the motivation for quality		X		
CG6	Developing professional practice with respect for other health professionals, acquiring teamwork skills		X		



CG9	Understanding and recognizing the effects, mechanisms and manifestations of the disease on the structure and function of the human body				X
CG11	Understanding and recognizing the effects of growth, development and aging on the individual and their social environment		X		
CG12	Understanding the basis of action, indications and efficacy of therapeutic interventions, based on available scientific evidence				X
CG13	Getting and writing a medical history containing all relevant information				X
CG14	Perform a physical exam and mental assessment				X
CG15	Having the ability to make an initial diagnostic judgment and establish a reasoned diagnostic strategy				X
CG16	Recognizing and treating life-threatening situations and those that require immediate attention				X
CG17	Establishing all diagnosis, prognosis and treatment, applying principles based on the best possible information and clinical safety				X
CG18	Indicating the most appropriate therapeutics of the most prevalent and chronic acute processes, as well as terminally ill patients				X
CG19	Raising and proposing appropriate preventive measures for each clinical situation				X
CG20	Acquiring enough clinical experience in hospital institutions, health centers or other health institutions, under supervision, as well as basic knowledge of patient-centered clinical management and appropriate use of tests, medicines and other health system resources				X
CG21	Listening to carefully, obtain and synthesize relevant information about the problems afflicting the patient and understand the content of this information		X		
CG22	Writing medical histories and other medical records in an understandable way to outsiders				X
CG23	Communicating effectively and clearly, both orally and in writing, with patients, family members, media workers and other professionals				X
CG24	Establishing good interpersonal communication that enables patients, family members, media workers and other professionals to address patients, families, media and other professionals with efficiency and empathy				X



CG29	Knowing national and international health organizations and the environments and conditions of different health systems		X		
CG33	Maintaining and using records with patient information for further analysis, preserving data confidentiality		X		
CG36	Being able to formulate hypotheses, critically collect and evaluate information for problem solving, following the scientific method			X	

SPECIFIC		Weighting			
		1	2	3	4
CE33	Recognizing, diagnosing and guiding the management of the main skin pathologies		X		
CE34	Recognizing, diagnosing and guiding the management of the main diseases of the blood. Normal and pathological pregnancy and delivery. Puerperium. Sexually transmitted diseases				X
CE35	Recognizing, diagnosing and guiding the management of the main gynecological pathologies. Contraception and fertilization				X
CE36	Recognizing, diagnosing and guiding the management of the main ophthalmological pathologies	X			
CE37	Knowing tumor disease, diagnosis and management			X	
CE38	Recognizing, diagnosing and guiding the management of the main ear, nose and throat pathologies	X			
CE39	Recognizing, diagnosing and guiding the management of the main cardiocirculatory pathologies	X			
CE40	Recognizing, diagnosing and guiding the management of the main diseases of the digestive system	X			
CE41	Recognizing, diagnosing and guiding the management of major nephrouinary pathologies	X			
CE42	Recognizing, diagnosing and guiding the management of the main pathologies of the locomotor system	X			
CE43	Recognizing, diagnosing and guiding the management of the main pathologies of the respiratory system	X			
CE44	Recognizing, diagnosing and guiding the management of the main pathologies of the endocrine system. Nutrition pathology	X			



CE45	Recognizing, diagnosing and guiding the management of the main pathologies of the central and peripheral nervous system	X		
CE46	Knowing the main infectious agents and their mechanisms of action		X	
CE47	Recognizing, diagnosing and guiding the management of the main infectious diseases in the different rgans and systems		X	
CE48	Recognizing, diagnosing and guiding the management of the main inmune systems' pathologies.	X		
CE49	Knowing the morphological and functional characteristics of the newborn, child and adolescent. Growth. Premature newborn	X		
CE50	Recognizing, diagnosing and guiding the management of the main pediatric pathologies. Child nutrition. Diagnosis and genetic counseling. Cognitive, emotional and psychosocial development in childhood and adolescence	X		
CE51	Knowing the biological, psychological and social foundations of personality and behavior	X		
CE52	Recognizing, diagnosing and guiding the management of psychiatric disorders. Psychotherapy	X		
CE53	Recognizing, diagnosing and guiding the management of major poisonings. Palliative medicine	X		
CE54	Recognizing the characteristics of the pathology prevalent in the elderly. Family and community medicine: living environment of the sick person, promotion of health at the family and community level	X		
CE55	Recognizing, diagnosing and guiding the management of life-threatening situations	X		
CE56	Knowing how to make a complete anamnesis, patient-centered and oriented to the various pathologies, interpreting its meaning			X
CE57	Knowing how to do a physical examination by devices and systems, as well as a psychopathological examination, interpreting its meaning	X		
CE58	Knowing how to evaluate the changes of clinical parameters in the different ages. Pregnancy exploration and monitoring			X
CE59	Establishing an action plan, focused on the needs of the patient and the family and social environment, consistent with the symptoms and signs of the patient	X		
CE60	Knowing how to do basic and advanced life support	X		



TRANSVERSAL	Weighting			
	1	2	3	4
CT1 Analytical and synthesis capacity			X	
CT2 Planification and organization capacity		X		
CT3 Oral and written communication in mother language				X
CT7 Solving problems				X
CT8 Making decisions			X	
CT9 Team work			X	
CT10 Interdisciplinary team work		X		
CT12 Interpersonal relationship skills			X	
CT14 Critical reasoning				X
CT15 Ethical commitment			X	
CT16 Individual learning			X	
CT17 New situations' adaptation			X	
CT26 Knowing how to value personal action and know your own skills and limitations			X	
CT32 Being able to establish and maintain relationships with other professionals and institutions			X	
CT33 Knowing how to get relevant information from personal interviews			X	



Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R4, R5, R11, R12, R13, R14, R15, R16, R17, R18, R19, R25, R26, R27, R28, R29, R30, R34, R47, R48, R49, R50, R51, R52, R53	20,00%	Open questions
R1, R2, R3, R4, R5, R11, R12, R13, R14, R15, R16, R17, R18, R19, R26, R27, R28, R29, R30, R34, R47, R48, R49, R50, R51, R52, R53	70,00%	Tests
R6, R7, R8, R9, R10, R20, R21, R22, R23, R24, R25, R31, R32, R33, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46	10,00%	Practices

Observations

En esta asignatura no se contempla la posibilidad de evaluación única, al requerirse la realización obligatoria de actividades prácticas con participación activa del alumnado



MENTION OF DISTINCTION:

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with Distinction) may be awarded. Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- M1 Masterclass
- M2 Problems resolution and practical cases
- M3 Virtual simulations
- M4 Content presentations by teacher
- M5 Knowledges and skills explanation
- M7 Oral presentation by student
- M8 Group activities supervised by professor
- M9 Knowledge acquirance through student interaction and activity
- M11 Personalised attention by professor
- M12 Tests to understand the level of knowledge acquirance and skills



- M13 Written work
- M14 Online activity on e-learning
- M15 Personal study
- M16 Information research
- M17 Discussion and solving issues in group
- M18 Work in team
- M19 Group work for searching, discussion and information research
- M21 Supervision of clinical histories
- M22 Clinical practices



IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Theory class M1, M2, M4, M5, M7, M9	R1, R2, R3, R4, R5	60,00	2,40
Seminar and group practices M2, M3, M9, M11	R2, R3, R5, R8, R10, R14, R19, R20, R21, R22, R30, R31, R34, R35, R36, R38, R44	10,00	0,40
Practices in small groups M22	R38, R39, R41, R42, R43, R44, R46, R47, R48, R49, R50, R51, R52, R53	25,00	1,00
Tutoring M8, M11	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14	6,50	0,26
Evaluation M12	R1, R2, R3, R4, R5, R6, R7, R16, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R38, R42, R43, R44, R46, R51, R53	8,00	0,32
TOTAL		109,50	4,38

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
No attendance M2, M14, M15	R1, R4, R11, R14, R16, R20, R22, R23, R30, R34, R36, R37, R41, R44, R45, R48, R49, R50	115,50	4,62
TOTAL		115,50	4,62



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
BLOCK I: ANATOMOPHYSIOLOGY, SEMIOLOGY AND FUNDAMENTALS OF CLINICAL EXAMINATION	<ol style="list-style-type: none">1. Anatomy, Embryology, Ovarian cycle.2. Basic examination in Obstetrics and Gynecology. Complementary exams in Obstetrics and Gynecology. Clinical Algorithms.
BLOCK II: MATERNAL-FETAL MEDICINE	<ol style="list-style-type: none">1. Obstetric Physiology.2. Prenatal care for pregnancy and normal delivery.3. Assistance to pregnancy in pathological situations:<ol style="list-style-type: none">1. Implantation pathology.2. Diseases and abnormalities of the fetal adnexa.3. Diseases typical of pregnancy.4. Diseases coinciding with pregnancy.4. Attendance at delivery and pathological puerperium:<ol style="list-style-type: none">1. Delivery pathology.2. Puerperium pathology.3. Tocurgia.4. Control of uterine dynamics.5. Patología fetal y del recién nacido.5. Alteraciones congénitas, conceptos de teratogénia y diagnóstico prenatal.
BLOCK III: GENERAL GYNECOLOGY	<ol style="list-style-type: none">1. Semiology and exploration techniques.2. Vulvo-vaginal pathology.3. Uterine pathology.4. Adnexal pathology.5. Breast Pathology.
BLOCK IV: FUNCTIONAL AND REPRODUCTIVE GYNECOLOGY	<ol style="list-style-type: none">1. Normal and pathological pubertal development.2. Climacteric and Menopause.3. Reproductive endocrinology.4. Sterility and birth control.



BLOCK V: ONCOLOGICAL PATHOLOGY

- 1.Preinvasive lesions of the vulva, vagina, cervix.
- 2.Gynecological cancer
- 3.Breast cancer

Temporary organization of learning:

Block of content	Number of sessions	Hours
BLOCK I: ANATOMOPHYSIOLOGY, SEMIOLOGY AND FUNDAMENTALS OF CLINICAL EXAMINATION	7,00	14,00
BLOCK II: MATERNAL-FETAL MEDICINE	14,50	29,00
BLOCK III: GENERAL GYNECOLOGY	15,25	30,50
BLOCK IV: FUNCTIONAL AND REPRODUCTIVE GYNECOLOGY	8,00	16,00
BLOCK V: ONCOLOGICAL PATHOLOGY	10,00	20,00



References

- Alcazar JI. **Obstetrics and Gynecology in undergraduate training**; Panamericana Medical Publishing House; 2017
- López G, Comino R., **OBSTETRICS AND GYNECOLOGY**; 1st Ed; Barcelona; Ariel; 2011
- Carvajal J. Ralph C.; **Obstetrics and Gynecology Handbook?**. 10th Ed; 2019.
- Pellicer A, Bonilla-Musoles F. ; **Obstetrics and Gynecology for the medical school**; 2nd Ed; Editorial Médica Panamericana; 2014
- Beckmann C. ; **Obstetrics and Gynecology**; 7th Ed; Lippincott williams and wilkins. wolters kluwer health; 2015
- <https://www.clinicalkey.es/>
- Guyton y Hall: **Medical Physiology**. John E. Hall. 14º Ed. Elviseer, 2021.
- CEISAL . 1a Ed: marzo 2021.
- FURTHER READING
- Speroff, L. ; Fritz, M.A. ; **CLINICAL GYNECOLOGICAL ENDOCRINOLOGY AND STERILITY**. 8th Ed; Lippincott & Wilkins; 2012



Addendum to the Course Guide of the Subject

Due to the exceptional situation caused by the health crisis of the COVID-19 and taking into account the security measures related to the development of the educational activity in the Higher Education Institution teaching area, the following changes have been made in the guide of the subject to ensure that Students achieve their learning outcomes of the Subject.

Situation 1: Teaching without limited capacity (when the number of enrolled students is lower than the allowed capacity in classroom, according to the security measures taken).

In this case, no changes are made in the guide of the subject.

Situation 2: Teaching with limited capacity (when the number of enrolled students is higher than the allowed capacity in classroom, according to the security measures taken).

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject will be made through a simultaneous teaching method combining onsite teaching in the classroom and synchronous online teaching. Students will be able to attend classes onsite or to attend them online through the telematic tools provided by the university (videoconferences). In any case, students who attend classes onsite and who attend them by videoconference will rotate periodically.

In the particular case of this subject, these videoconferences will be made through:

Microsoft Teams

Kaltura



Situation 3: Confinement due to a new State of Alarm.

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject, as well as the group and personalized tutoring, will be done with the telematic tools provided by the University, through:

Microsoft Teams

Kaltura

Explanation about the practical sessions:



2. System for Assessing the Acquisition of the competences and Assessment System

ONSITE WORK

Regarding the Assessment Tools:

- The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.
- The following changes will be made to adapt the subject's assessment to the online teaching.

Course guide		Adaptation	
Assessment tool	Allocated percentage	Description of the suggested changes	Platform to be used

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

Comments to the Assessment System: