



## Information about the subject

**Degree:** Bachelor of Science Degree in Medicine

**Faculty:** Faculty of Medicine and Health Sciences

**Code:** 343605 **Name:** Clinical practice of specialities VI (Ophthalmology/oncology/palliative)

**Credits:** 6,00 **ECTS Year:** 6 **Semester:** 1/2

**Module:** Supervised work and final project

**Subject Matter:** Clinical practice **Type:** Internship

**Field of knowledge:** Ciencias de la Salud

**Department:** Medical Specialities

**Type of learning:** Classroom-based learning

**Languages in which it is taught:** Spanish

### Lecturer/-s:

346A	Inmaculada Martinez Fauli ( <b>Profesor responsable</b> )	inmaculada.martinez@ucv.es
	Carmen Hernandez Nuñez	carmen.hernandez@ucv.es
	<u>Joaquin Andani Cervera</u>	joaquin.andani@ucv.es
346B	Inmaculada Martinez Fauli ( <b>Profesor responsable</b> )	inmaculada.martinez@ucv.es
	<u>Joaquin Andani Cervera</u>	joaquin.andani@ucv.es



## Module organization

### Supervised work and final project

Subject Matter	ECTS	Subject	ECTS	Year/semester
Clinical practice	54,00	Clinical Practice for hospital emergencies	6,00	6/2
		Clinical practice of family medicine	6,00	6/2
		Clinical Practice of General Pathology	3,00	3/2
		Clinical Practice of Minor Surgery	3,00	3/1
		Clinical practice of Specialities I (Psychiatry/Dermatology)	3,00	5/2
		Clinical practice of specialities II (obstetrics/paediatrics/allergy)	6,00	6/2
		Clinical practice of specialities III (cardiovascular/ENT/respiratory)	6,00	6/2
		Clinical practice of specialities IV (infectious/nervous system/nephrology)	6,00	6/2
		Clinical practice of specialities VI (Ophthalmology/oncology/palliative)	6,00	6/2
		Clinical practice of specialties V (musculoskeletal/rheumatology/rehabilitation)	6,00	6/2



Clinical practice		Geriatric clinical practice	3,00	6/2
Final project	12,00	Bachelor's Thesis	12,00	6/2

## Recommended knowledge

Prerequisites: Have passed all the subjects of module 1 (Morphology, Structure and Function of the Human Body).

### GENERAL OBJECTIVES

In this course, the aim is to get the student to complete the acquisition of basic competencies in the matter of Clinical Practice of Specialties VI, so that they are able to competently do (Routinely and without supervision) the most basic activities in these subjects for a doctor generalist.

Likewise, this subject must allow the student to become familiar with examinations or techniques that, due to their complexity, the patient's condition or the medical responsibility they entail, cannot be carried out autonomously by the student and will be carried out either under tutelage, or the student will simply observe its performance by an expert.

## 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 Pre-professional practices, in the form of an independent clinical rotary and with a final competency assessment, in health centers, hospitals and other centres that incorporate professional values, care communication skills, clinical reasoning, clinical management and critical judgment, as well as attention to the most prevalent health problems in the areas of Medicine, Surgery, Obstetrics and Gynecology, Pediatrics, Psychiatry and other clinical areas



## 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
CG1	Recognizing the essential elements of the medical profession, including ethical principles, legal responsibilities, and patient-centered professional exercise				X
CG2	Understanding the importance of such principles for the benefit of the patient, society and profession, with special attention to professional secrecy				X
CG3	Knowing how to apply the principle of social justice to professional practice and understanding the ethical implications of health in a changing global context				X



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maximizing the effects of growth, development and their social environment			X
of action, indications and efficacy of based on available scientific evidence			X
appropriate therapeutics of the most prevalent cases, as well as terminally ill patients			X
appropriate preventive measures for each			X
main and synthesize relevant information ing the patient and understand the content			X
and other medical records in an tsiders			X
y and clearly, both orally and in writing, with media workers and other professionals			X
sonal communication that enables media workers and other professionals to media and other professionals with			X
ational Health System and health			X



CG31	Knowing, critically valuing and knowing how to use the sources of clinical and biomedical information to obtain, organize, interpret and communicate scientific and health information				X
CG32	Knowing how to use information and communication technologies in clinical, therapeutic, preventive and research activities				X
CG33	Maintaining and using records with patient information for further analysis, preserving data confidentiality				X

SPECIFIC	Weighting			
	1	2	3	4
CE86	Pre-professional practices, in the form of an independent clinical rotatory and with a final evaluation of competencies, in health centers, hospitals and other care facilities and that allow to incorporate professional values, competencies of healthcare communication, clinical reasoning, clinical management and critical judgment, as well as attention to the most prevalent health problems in the areas of Medicine, Surgery, Obstetrics and Gynecology Pediatrics, Psychiatry and other clinical areas			X

TRANSVERSAL		Weighting			
		1	2	3	4
CT1	Analytical and synthesis capacity				X
CT3	Oral and written communication in mother language			X	
CT7	Solving problems				X
CT8	Making decisions		X		
CT10	Interdisciplinary team work				X
CT11	Working in an international context		X		
CT12	Interpersonal relationship skills				X
CT15	Ethical commitment				X



CT17	New situations' adaptation				X
CT21	Initiative and entrepreneurial spirit			X	
CT24	Ability to take responsibility			X	
CT25	Autocriticism capacity			X	
CT26	Knowing how to value personal action and know your own skills and limitations			X	
CT30	Social commitment		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	30,00%	Practices
R1	60,00%	Simulations, ECOE
R1	10,00%	Practice exam

### Observations

Requirements to pass the course

The student must pass all the following criteria to pass the course:

Attendance at practices must be 100% of the assigned hours.

Minimum score of 50% in all the evaluation instruments: ECOE Test and TEST Test. Minimum score of 50% in all the evaluation instruments. Presentation of the Report of external academic practices in the established term.

Minimum requirements:

You cannot take any subject in module 3 (Human Clinical Training) without having passed all the subjects in module 1 (Morphology, Structure and Function of the Human Body).

Criteria for awarding honors:

Honors may be awarded to the best students, who must have obtained a minimum grade of 9. If circumstances require it, a special test may be established to determine those students deserving of honors, taking into account the limitation of the 5% of the enrolled students. In second and subsequent calls, only the honors that could subtract after the first call may be granted.





## 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:

M2	Problems resolution and practical cases
M11	Personalised attention by professor
M12	Tests to understand the level of knowledge acquirance and skills
M14	Online activity on e-learning
M15	Personal study
M21	Supervision of clinical histories
M22	Clinical practices



## IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Practices in small groups M2, M21, M22	R1	129,17	5,17
Tutoring M11	R1	0,56	0,02
Evaluation M12	R1	0,83	0,03
<b>TOTAL</b>		<b>130,56</b>	<b>5,22</b>

## LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
No attendance M2, M14, M15	R1	19,44	0,78
<b>TOTAL</b>		<b>19,44</b>	<b>0,78</b>



## Description of the contents

Description of the necessary contents to acquire the learning outcomes.

### Theoretical contents:

Content block	Contents
BLOCK I: Ophthalmology	External eye examination. Examination of pupillary reflexes and extrinsic ocular motility. Estimation of visual acuity. Ophthalmoscopy with straight image. Taking the ocular pressure with the indentation tonometer. Examination of the visual field by confrontation
BLOCK II: Oncology	Rotation individually supervised by a medical oncologist in the hospitalization unit, the outpatient clinic of the Medical Oncology Service and the Treatment Administration Unit (day hospital). Punctuality, interest and a collaborative attitude in the clinical practice will be especially valued. The fundamental objective of these practices is to get the student to actively participate and gain experience in the doctor-patient relationship that is established in clinical practice as it is a basic aspect of medical training.



## BLOCK III: Palliatives

Know the criteria to classify a patient as terminal. Collect specific data and prepare a clinical history of Palliative Care. Apply communication and information skills. Understand and jointly identify the multiple needs of a terminally ill person and their family: physical, mental, social, spiritual. Integrate within a multidisciplinary group and work as a team. Establish therapeutic goals and care planning. Identify possible emergency situations and treat them appropriately. Correctly assess pain. Know and use the WHO analgesic ladder correctly. Know the toxicities of the drugs commonly used in Palliative Care. Treat other frequent and disabling symptoms of the terminally ill patient: dyspnea, vomiting, constipation and confusional syndrome. Assess the indications for non-pharmacological procedures and specialized techniques. Identify the situation of agony and adequately raise the objectives of care in this phase. Understand the grieving process and identify the need for specific interventions.

## Temporary organization of learning:

Block of content	Number of sessions	Hours
BLOCK I: Ophthalmology	9,58	19,16
BLOCK II: Oncology	35,00	70,00
BLOCK III: Palliatives	20,00	40,00



## References

### FUNDAMENTAL BIBLIOGRAPHY

1. **Kanski JJ**. Oftalmología clínica. 6ª ed. Barcelona (España): Elsevier; **2009**. (ISBN: 978-84-8086-441-1).
2. **Spalton DJ, Hitchings RA, Hunter PA**. Atlas de oftalmología clínica. 3ª ed. Barcelona (España): Elsevier; **2006**. (ISBN: 978-84-8174-874-1).
3. **Casciato, D.A.** Manual de Oncología Clínica. 7ª ed. Lippincott Williams & Wilkins (ISBN: 9781451115604).
4. **Gómez, M.** Avances en cuidados paliativos. 1ª ed. Las Palmas (España): Gafos; 2003 (ISBN: 84-932976-0-7)

### FURTHER READING

1. **Wilson FM, Blomquist PH**. Practical Ophthalmology: a manual for beginning residents. 6th ed. San Francisco. American Academy of Ophthalmology; **2009**. (ISBN: 978-15-6055-9870).
2. **Sánchez M, Díaz-Llopis M, Benítez del Castillo JM, Rodríguez MT**. Manifestaciones oftalmológicas de las enfermedades generales. Madrid (España): Sociedad Española de Oftalmología; **2001**. (ISBN: 84-89085-16-1).
3. **Menezo JL, España E**. Técnicas exploratorias en oftalmología. Barcelona (España): Espaxs; **2006**. (ISBN: 978-84-7179-318-8).
4. **Cabezón, L et al**. Manual CTO de Urgencias Oncológicas. Ed. CTO S.L. 2009 (ISBN: 978-84-92523-09-2)
5. Manual de tratamiento de soporte en el paciente oncológico. III actualización. Asociación Servicio de Medicina Interna del Hospital de Elda, 2008. (ISBN: 8493582409).
6. **Barrios, LF**. Marco jurídico de la analgesia. Énfasis en paciente terminal. Madrid (España): You&Us; 2005. (ISBN: 84-689-3398-8)



## 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:

15 clinical sessions will be held for those students who have not completed their practical rotary.

From the UCV Virtual Hospital and the ECOE Coordination, teaching and audiovisual material will be provided to the professors in charge of the subject for the delivery of clinical sessions.

The duration of the session will be four hours according to the following schedule for each clinical case:

1. Present the learning objectives (15 minutes).
2. Visualize the clinical case by the students and personal reflection, (30 minutes).
3. Reflective debate (Debriefing), coordinated by simulation instructors and the teacher



responsible for the session (45 minutes).

## CLINICAL SIMULATION

Practical sessions will also be held at the Virtual Hospital, using clinical simulation techniques.







## 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:

In case of taking the ECOE test electronically, it will be adapted to a digital environment that guarantees to evaluate the competences acquired in the subject.