



Information about the subject

Degree: Bachelor of Science Degree in Medicine

Faculty: Faculty of Medicine and Health Sciences

Code: 340601 **Name:** Palliative Medicine

Credits: 3,00 **ECTS Year:** 6 **Semester:** 1

Module: Human Clinical Training

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

Field of knowledge: Health Science

Department: -

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

You can not take any course module 3 (Human Clinical Training) without having passed all subjects of Release 1 (Morphology, Structure and Function of Human Body).



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 fundamentals and principles of palliative care.
- R2 Understand the importance of palliative vision in clinical activity
- R3 To know and be able to define the situation of terminal illness.
- R4 Knowing the basic tools in palliative care.
- R5 Know the general principles of action for symptom control.
- R6 Knowing the attention phases of the ill patient
- R7 Knowing the anatomo-physiology of pain and modulation systems
- R8 To know and distinguish the clinical and physiopathological differences between acute and chronic pain.
- R9 To know the physiopathology of neuropathic pain.
- R10 To know the general principles of pain management in palliative patients
- R11 Knowing the specific therapeutic management of neuropathic pain
- R12 To understand the mechanism of action and management of anti-inflammatory drugs and their side effects
- R13 Know how to handle minor and major opioid drugs and their side effects.
- R14 To know the different routes of administration of drugs in the treatment of pain and the equivalent doses.
- R15 To know the specific interventionist techniques in the treatment of pain.



- R16 Understanding the mechanism of action and management of antidepressants
- R17 To know the mechanism of action and the handling of Anxiolytics and other coadjuvant drugs.
- R18 To detect, analyse and resolve ethical dilemmas in palliative activity.
- R19 Knowing how to identify, assess and treat dyspnea in advanced or terminal illness
- R20 Knowing how to identify, assess and treat cough in advanced or terminal illness
- R21 Knowing how to identify, evaluate and treat hemoptysis in advanced or terminal illness
- R22 Knowing how to identify, evaluate and treat agonal rales in advanced or terminal illness
- R23 Knowing how to identify, evaluate and treat the symptoms of painful mouth in advanced or terminal illness
- R24 Knowing how to identify, evaluate and treat oral mycosis in advanced or terminal illness.
- R25 Know how to assess and treat nausea and vomiting in advanced or terminal illness. Knowing the physiopathology of the disease.
- R26 Knowing how to assess and treat constipation in advanced or terminal illness
- R27 Know how to assess and treat diarrhoea in advanced or terminal illness.
- R28 Knowing how to evaluate and treat intestinal obstruction in advanced or terminal disease
- R29 Knowing how to identify, evaluate and treat confusion in advanced or terminal illness
- R30 Knowing how to identify, evaluate and treat anxiety disorder in advanced or terminal illness.
- R31 Knowing how to identify, assess and treat depression in advanced or terminal illness
- R32 Knowing how to identify, evaluate and treat emergencies in advanced or terminal illness.



- R33 To know how to manage the subcutaneous route for the administration of bolus drugs.
- R34 Knowing how to place a route for the administration of drugs subcutaneously through the different continuous infusion systems
- R35 Know how to prepare and program the infusion rates of mechanical subcutaneous infusion systems.
- R36 Safely perform drug dilutions and mixtures



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
CE53	Recognizing, diagnosing and guiding the management of major poisonings. Palliative medicine				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		
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		

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, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36	60,00%	Tests
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36	5,00%	Participation in class
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36	35,00%	Practice exam

Observations

You must obtain at least a score of 5 in the test exam and the practical exam for averaging. If this minimum score is not obtained, the student will be suspended



MENTION OF DISTINCTION:

According to Article 22 of the Regulations governing the Evaluation and Qualification of UCV Courses, the mention of "Distinction of Honor" may be awarded by the professor responsible for the course to students who have obtained, at least, the qualification of 9 over 10 ("Sobresaliente"). The number of "Distinction of Honor" mentions that may be awarded may not exceed five percent of the number of students included in the same official record, unless this number is lower than 20, in which case only one "Distinction of Honor" may be awarded.

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, M3, M4	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32	24,50	0,98
Seminar and group practices M7, M8, M9, M17	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36	8,00	0,32
Tutoring M11	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32	3,00	0,12
Evaluation M12	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36	2,00	0,08
TOTAL		37,50	1,50



LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
No attendance M2, M9, M14, M15, M16, M19	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36	37,50	1,50
TOTAL		37,50	1,50



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
SECTION I: FUNDAMENTALS OF PALLIATIVE CARE	<ol style="list-style-type: none">1. INTRODUCTION TO PALLIATIVE CARE. OBJECTIVES2. BASICS3. THE CONTROL OF SYMPTOMS . GENERAL PRINCIPLES4. PHASES OF CARE FOR A TERMINAL PATIENT
SECTION II: INTEGRAL APPROACH OF PAIN IN PALLIATIVE CARE	<ol style="list-style-type: none">1. NEUROANATOMY OF PAIN2. PATHOPHYSIOLOGY OF PAIN3. NEUROPATHIC PAIN4. PAIN MANAGEMENT IN PATIENTS WITH TERMINAL ILLNESS OR ADVANCED ILLNESS
SECTION III: CONTROL OF SYMPTOMS	<ol style="list-style-type: none">1. CLINICAL EVALUATION OF SYMPTOMS2. CONTROL OF RESPIRATORY SYMPTOMS3. CONTROL OF DIGESTIVE SYMPTOMS4. CONTROL OF NEUROPSYCHIATRIC SYMPTOMS5. OTHER COMMON SYMPTOMS OF PALLIATIVE CARE6. EMERGENCY IN PALLIATIVE CARE7. PALLIATIVE SEDATION
SECTION IV: ETHICAL ASPECTS OF PALLIATIVE MEDICINE	<ol style="list-style-type: none">1. LIMITATION OF THE THERAPEUTIC EFFORT.2. ADVANCED DIRECTIVES3. ABSTENTION AND WITHDRAWAL TREATMENT.



Temporary organization of learning:

Block of content	Number of sessions	Hours
SECTION I: FUNDAMENTALS OF PALLIATIVE CARE	3,00	6,00
SECTION II: INTEGRAL APPROACH OF PAIN IN PALLIATIVE CARE	7,00	14,00
SECTION III: CONTROL OF SYMPTOMS	5,00	10,00
SECTION IV: ETHICAL ASPECTS OF PALLIATIVE MEDICINE	3,75	7,50

References

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Gómez, m. MEDICINA PALIATIVA EN LA CULTURA LATINA. Editorial ARAN. Octubre 1999.
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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:

In any circumstance, practical sessions appropriate to technical possibilities will be maintained, without prejudice to teaching quality.



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: