Information about the subject

Degree: Bachelor of Science Degree in Medicine

Faculty: Faculty of Medicine and Health Sciences

Code: 343608 **Name:** Clinical Practice for hospital emergencies

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 **(Profesor responsable)**	inmaculada.martinez@ucv.es
	Carmen Hernandez Nuñez	carmen.hernandez@ucv.es
	Joaquin Andani Cervera	joaquin.andani@ucv.es
346B	Inmaculada Martinez Fauli **(Profesor responsable)**	inmaculada.martinez@ucv.es
	Joaquin Andani Cervera	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 subject, the aim is to ensure that the student completes the acquisition of basic competences in the area of Emergencies and Emergencies, so that they are able to competently perform (routinely and without supervision) the most basic activities in these subjects for a general practitioner.
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, hospitalsand 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

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	
CG8	Recognize the basis of normal human behavior and its disfunctions		x	
CG9	Understanding and recognizing the effects, mechanisms and manifestations of the disease on the structure and function of the human body		x	
CG10	Understanding and recognizing the causative agents and risk factors that determine health and disease development			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
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	
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
CG30	Basic knowledge of the National Health System and health legislation	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
TOTAL		**130,56**	**5,22**

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
No attendance M2, M14, M15	R1	19,44	0,78
TOTAL		**19,44**	**0,78**

Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
BLOCK I: Hospital emergencies	Acquire concrete attitudes regarding the diagnostic and therapeutic decision of urgent pathologies. Medication and solutions for infusion. Truck stops. Basic and advanced CPR practice Stabilization of multiple injuries. Sick in shock from any cause. recognize a terminal patient or the certainty diagnosis of death.

Temporary organization of learning:

Block of content	Number of sessions	Hours
BLOCK I: Hospital emergencies	64,58	129,16

References

FUNDAMENTAL BIBLIOGRAPHY
Jiménez Murillo L, Montero Pérez FJ, editores. Medicina de Urgencias y Emergencias. Guía diagnóstica y protocolos de actuación, 4ª edición. Barcelona: Elsevier; 2010.
Julián Jiménez A, editor. Manual de Protocolos y Actuación en Urgencias, 3ª edición. Edicomplet - Grupo SANED; 2010. Disponible en URL: http://www.cht.es/cht/cm/cht/tkContent?pgseed=1284625591264&idContent=2401&locale=es_ES&textOnly=false
Marx, J. Rosen Medicina de Urgencias conceptos y práctica clínica. 5ª edición. Madrid. Elsevier España S.A. 2002
Tintinalli, J. Emergency Medicine a comprenhesive satudy guide.6ª Edition. McGraw-Hill. 2004
Millán Soria J, Garcia Bermejo P, Mínguez Platero J, Salvador Suárez FJ, Ruiz López JL. Manual de Técnicas para el Médico de Urgencias. Departamento de Salud de La Ribera; 2009. (Disponible en el Servicio de Urgencias del Hospital Universitario de La Ribera).
Moya Mir MS, Piñera Salmerón P, Mariné Blanco M, editores. Tratado de Medicina de Urgencias (Tomo I y II), 1ª edición. ERGON; 2011.
FURTHER READING
American Heart Association. Libro del proveedor de Soporte vital cardiovascular avanzado. Mesquite (TX): Integracolor; 2012.
Asociación Española de Pediatría, Sociedad Española de Urgencias Pediátricas. Protocolos de Urgencias Pediátricas, 2ª edición. ERGON; 2010. Disponible en URL: http://www.aeped.es/documentos/protocolos-urgencias-pediatricas
Castellanos Mateos L, Galbis Fuster MJ. Nuevas prespectivas en Oftalmología. Urgencias en Oftalmología. Barcelona: Glosa; 2004.
Documentos de consenso de la Sociedad Española de Medicina de Urgencias y Emergencias. Disponible en URL: http://www.semes-cv.org/docsconsenso.php?idcategoria=1
Fitzpatrick TB, Johnson RA, Suurmond D. Atlas en color y Sinopsis de Dermatología Clínica. Madrid: McGRAW-HILL-Interamericana; 2001.
Guerrero Fernández F, editor. Manual de diagnóstico y Terapéutica en Pediatría, 5º edición. Madrid: Publimed; 2009.
Mc Rae R, editor. Ortopedia y Fracturas. Exploración y Tratamiento. Madrid: MARBAN; 2006.
Medscape Reference. Drugs, Diseases & Procedures. Emergency Medicine. Disponible en URL: http://emedicine.medscape.com/emergency_medicine
MurciaSalud. Toxiconet. Disponible en URL: http://www.murciasalud.es/toxiconet.php?op=listado_protocolos&idsec=4014
Prieto Valtueña JM, editor. Noguer-Balcells. Exploración clínica práctica, 27ª edición. Barcelona: Elseiver-Masson; 2011.
Quesada Suescun A, Rabanal Llevot JM, editores. Actualización en el manejo de Trauma Grave. Madrid: ERGON; 2006.

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:

[X] 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:

- [X] 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:

[X] 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.