



Information about the subject

Degree: Bachelor of Science Degree in Nursing

Faculty: Faculty of Medicine and Health Sciences

Code: 1212001 **Name:** Emergency Care and Life Support

Credits: 6,00 **ECTS Year:** 4 **Semester:** 1

Module: Common basic training

Subject Matter: Life support **Type:** Elective

Field of knowledge: Health sciences

Department: Nursing

Type of learning: Classroom-based learning

Languages in which it is taught: English, Spanish

Lecturer/-s:

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Module organization

Common basic training

Subject Matter	ECTS	Subject	ECTS	Year/semester
Anatomy	6,00	Human and Functional Anatomy	6,00	1/1
Physiology	12,00	Human Physiology	6,00	1/2
		Physiopathology	6,00	2/1
Biochemistry	6,00	Clinical Biochemistry	6,00	1/1
Biostatistic	6,00	Biostatistics and Research Methodology	6,00	1/2
Psychology	6,00	Psychology of Care	6,00	1/1
Pharmacology	6,00	Pharmacology	6,00	2/1
Nutrition	6,00	Nutrition and Dietetics	6,00	2/1
ICT	6,00	ICT	6,00	3/1
English	6,00	English	6,00	1/2
Life support	6,00	Emergency Care and Life Support	6,00	4/1

Recommended knowledge



Pre-requisites before starting the course:

Basic CPR

Drug calculation

Basic pharmacology

Pathophysiology

Basic electrocardiography (see Physiology, Pathophysiology)

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 That students are able to base nursing interventions on scientific evidence and available means.
- R2 Students must be able to recognise life-threatening situations and know how to perform basic and advanced life support manoeuvres.
- R3 That students know the physiopathological processes and their manifestations and the risk factors that determine the states of health and illness in the different stages of the life cycle .
- R4 That students identify the psychosocial responses of people to different health situations (in particular, illness and suffering), selecting the appropriate actions to provide help in these situations.



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 possession and understanding of knowledge in an area of study that is at the core of general secondary education, and is often at a level that, while supported by advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.		X		
CB2	Students are able to apply their knowledge to their work or vocation in a professional way and possess the skills usually demonstrated by developing and defending arguments and solving problems within their area of study.		X		
CB3	Students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include reflection on relevant social, scientific or ethical issues.				X
CB4	That students can convey information, ideas, problems and solutions to both specialized and non-specialized audiences.		X		
CB5	Students have developed those learning skills necessary to undertake further study with a high degree of autonomy.		X		
GENERAL		Weighting			
		1	2	3	4
CG0	Good Public Speaking.		X		
SPECIFIC		Weighting			
		1	2	3	4
10b	To know pathophysiological processes and their manifestations and the risk factors that determine the health and disease states in the different stages of their vital cycle.				X



11b	11. To identify psychosocial answers to questions of persons facing different health situations (in particular, disease and suffering) selecting the most adequate actions to give help.				X
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14b	To recognise situations of vital risk and be able to perform manoeuvres of basic and advanced vital support.				X
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TRANSVERSAL

Weighting

1	2	3	4
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6	To base interventions in nursing on scientific evidence and on the available means.				X
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Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R4	60,00%	Theoretical written exams
R1, R2, R3, R4	40,00%	Practical tests and works
	0,00%	Attendance and active participation

Observations

1. Written Theoretical Exam

· The written theoretical exam will account for 60% of the final grade. A minimum of 50% must be achieved in this exam (i.e., a score of 3 out of 6) to be averaged with other learning instruments.

· This exam will be conducted at the end of the semester as a final written test consisting of multiple-choice questions. Incorrect answers in the multiple-choice questions will be penalized according to the formula $A - (E/n - 1)$, where A is the number of correct answers, E is the number of errors, and n is the number of options per question.

2. Practical Tests and Assignments

· These will account for the remaining 40% of the final grade. A minimum of 50% must be achieved in each assessment instrument to be averaged with the rest. These are mandatory.

· Activities include:

- Communication Activity
- ECOE (Advanced CPR) (substitutions may be allowed)
- Arrhythmia Workshop
- Polytrauma Workshop

Both exams must be passed to pass the course.

Criteria for Awarding Honors

· One honor grade per 20 students, provided they achieve a minimum of 95% of the evaluated results. (RD 1125/2003), with a maximum of 5% of the total number of students. This will be awarded at the professor's discretion.

Students in Mobility Programs (Sicue, Erasmus, Mundus)

- Students must notify the professor of their departure and arrival.
- Evaluation for these students will be based on:
 - An individual assignment on a topic related to emergency care, assigned by the professor after notification of the student's mobility status.
 - A multiple-choice exam and/or



- Objective Structured Competence Evaluation, based on the course topics.

Any other circumstances that may interfere with the normal course progression will be assessed individually.

Criteria for Awarding Honors

- One honor grade per 20 students, provided they achieve a minimum of 95% of the evaluated results. (RD 1125/2003).

Course Development for Second and Subsequent Enrollments

- There will be a specific group for students who are not in their first enrollment, with a designated professor in charge of this group. These students will be evaluated using the same assessment instruments (60% multiple-choice exam, 40% complementary activities).

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:

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|----|---|
| M1 | Exposition of contents by the teacher, analysis of competencies, explanation and demonstration of abilities, skills and knowledge in the classroom. |
| M2 | Group work sessions supervised by the teacher. Case study, diagnostic analysis, problems, field study, computer room, visits, data search, libraries, network, Internet, etc. Significant construction of knowledge through student interaction and activity. |
| M3 | Supervised monographic sessions with shared participation. |
| M4 | Application of interdisciplinary knowledge. |



- M5 Activities developed in spaces and with specialized equipment.
- M6 Personalized attention and in small groups. Period of instruction and/or orientation carried out by a tutor with the objective of reviewing and discussing the materials and topics presented in the classes, seminars, readings, completion of assignments, etc.
- M7 Set of oral and/or written tests used in the initial, formative or summative evaluation of the student.
- M8 Student study: Individual preparation of readings, essays, problem solving, seminars, papers, memoirs, etc. To expose or deliver in the theoretical classes, practical classes and/or small group tutorials. Work done on the university platform (www.plataforma.ucv.es).
- M9 Group preparation of readings, essays, problem solving, papers, memoirs, etc. To present or deliver in the theoretical classes, practical classes, seminars and/or small group tutorials. Work done on the university platform (www.plataforma.ucv.es).



IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Face-to-face class M1, M5	R1, R2, R3, R4	30,00	1,20
Practice Classes M2, M4, M5	R1, R2, R3, R4	7,00	0,28
Seminar M8	R1, R2, R3	4,00	0,16
Exhibition of group works M1	R1	2,00	0,08
Laboratory M2, M5	R1, R2, R3, R4	3,00	0,12
Tutorial M1, M6	R1, R2, R3	12,00	0,48
Evaluation M7	R1, R2, R3, R4	2,00	0,08
TOTAL		60,00	2,40

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
Student's self-employment M4, M8	R1, R2, R3, R4	45,00	1,80
Group work M1, M2, M4, M5, M6, M7, M9	R1, R2, R3, R4	45,00	1,80
TOTAL		90,00	3,60



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
1	Introduction. General concepts. Critical patient / Urgent Patient. Professional secrecy.
2	Assistance in life support: plan for emergencies, general concepts and actions
3	Nursing Care of the Critically Ill Patient: monitorisation and specific techniques
4	Emergency Nursing Care of the patient with respiratory problems
5	Emergency Nursing Care of the patient with cardiac problems
6	Emergency Nursing Care of the patient with neurology problems
7	Advanced Life Support. Adult and Paediatric
8	Nursing care in the trauma patient: mobilization, evacuation and transfer. Road traffic accident, motorcycle accident (helmet removal)
9	Extraospital Triage. Catastrophes. Multiple victim accidents
10	Nursing Urgent Care. Hospital Triage. Adult and Paediatric
11	Psychological nursing care in critically ill patients



Temporary organization of learning:

Block of content	Number of sessions	Hours
1	1,00	2,00
2	1,00	2,00
3	3,00	6,00
4	3,00	6,00
5	3,00	6,00
6	3,00	6,00
7	3,00	6,00
8	4,00	8,00
9	3,00	6,00
10	4,00	8,00
11	2,00	4,00



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Completaría

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