

**Elective Subject**  
**(Academic course 2023-2024)**

**Subject title: INTRODUCTION TO NURSING IN OUT-OF-HOSPITAL EMERGENCIES AND EMERGENCIES**

**Code:**

**Subject: Elective**

**Responsibility Center: Faculty of Nursing, Physiotherapy and Podiatry**

**Credits: 3 ECTS**

**Number of places offered: 30 (morning) / 30 (afternoon)**

	Total (32% attendance)	Theory	Practices	Others
<b>Classroom activities</b>	24	19	4	1

**Course schedule: (semester, day and schedule): 1st semester / Monday / 13:30 - 14:30 (morning group) and 14:30 – 15:30 (evening group)**

**STUDENT PROFILE (University degrees for which they are offered, if applicable)**

3rd and 4th year student of Nursing

**BRIEF DESCRIPTOR**

Addressing patient care in life-threatening situations to complete the knowledge of future professionals.

**OBJECTIVES**

**GENERAL**

To complement nursing students' knowledge and skills in caring for patients in difficult situations to increase the quality and safety of nursing practice in emergencies and catastrophes.

**SPECIFIC**

- Differentiate the concepts of urgency, emergency and catastrophe.
- Prioritise, organise and manage health care efficiently by employing triage.
- Describe the organisation of emergency services.
- Understand the functioning of the Emergency Coordination Centre (CCU).
- Understand the equipment and communication systems in an Emergency Medical Service (EMS).
- Describe the main characteristics of medical transport: transport devices, physiopathology.
- Incorporate criteria for choosing the most appropriate means of medical transport for the patient's situation.
- Apply up-to-date basic and advanced CPR techniques in all age groups.
- Training in the use of the Automated External Defibrillator (AED).

## ACADEMIC SKILLS

### GENERAL COMPETENCIES:

- C.G.9.-Recognise life-threatening situations and know how to perform basic and advanced life support manoeuvres.
- C.G.13.-Apply the nursing process to provide and guarantee the well-being, quality and safety of the persons attended.
- C.G.14.-Know and apply the principles underpinning comprehensive nursing care.
- C.G.15.-Direct, evaluate and provide comprehensive nursing care to the individual, the family and the community.

### SPECIFIC COMPETENCES:

#### A. INSTRUMENTAL:

- C.E.1.-To solve problems by applying critical thinking.
- C.E.2.-Apply clinical judgement in decision-making in different professional and health care contexts.
- C.E.3.-Establish priorities in their work and manage time effectively.
- C.E.4.-Provide information clearly and succinctly.
- C.E.5.-Accurately interpret objective and subjective data and their importance for safe care provision.
- C.E.10.-Appropriately use information and communication technologies in the field of health.

#### B. INTERPERSONAL SKILLS:

- C.E.11.-Exercise the role of defender of patients' rights.
- C.E.13.-Accept responsibility for one's professional judgements and actions.
- C.E.15.-Practise their profession following relevant legislation and within the policies and guidelines of the country of practice.
- C.E.16. Act under the code of ethics in all matters relating to ethical decision-making, human rights protection, and social behaviour standards.
- C.E.17.-Respect the patient's right to information.
- C.E.19.-Respect the patient's right to choose and decide for themselves regarding health care.
- C.E.20.-To guarantee the secrecy and security of oral or written information obtained in their professional duties.
- C.E.21.-To adopt measures that guarantee the patient's safety, privacy and dignity.
- C.E.22.-Identify unsafe practices and adopt appropriate measures.
- C.E.24.-Have the necessary knowledge to make ethical decisions and establish priorities for care in war, violence, conflict and natural disasters.
- C.E.25.-Know how to work in collaboration with other professionals and communities.

#### C. SYSTEMIC:

- C.E.38.-Incorporate research findings and other valid and relevant evidence into professional practice.
- C.E.39.-Know planning for disaster/emergencies.
- C.E.43.-Perform a relevant and systematic nursing health assessment.
- C.E.51.-Document the execution of their interventions.
- C.E.52.-Respond effectively in unforeseen situations or the face of emergencies and catastrophes.
- C.E.53.-Create and maintain a safe environment for care using quality assurance and risk management strategies.
- C.E.54.-Use appropriate assessment tools to identify current and potential risks.

## LEARNING OUTCOMES

- Recognise and distinguish emergency and catastrophe situations.
- Prioritise situations, solve problems and make decisions in the care of patients in critical and emergencies.
- Manage, with skill and safety, the therapeutic means to preserve life with the least possible after-effects in the event of a sudden adverse event or situation of danger that compromises the person.

- Provide comprehensive care to the person, to solve individually or as members of a multidisciplinary team, the health problems affecting them at the time of the emergency and in the immediate future.
- Effectively apply techniques, protocols and treatments in basic and advanced cardiopulmonary resuscitation at all ages.
- Work as part of a team, contributing their knowledge in emergencies and emergencies.
- Manage care resources with criteria of efficiency and quality.

#### **TEACHING ACTIVITIES (theoretical, practical, seminars, workshops, etc.)**

The course will be developed through lectures, workshops, collaborative work in class and online activities. The specific contents of each subject will be complemented with audiovisual media.

#### **CONTENT TOPICS**

##### **THEORETICAL BLOCK:**

MODULE 1: BASIC CONCEPTS IN EMERGENCIES AND EMERGENCIES.

MODULE 2: INTEGRAL EMERGENCY AND URGENCY SERVICE.

MODULE 3: MEDICAL TRANSPORT.

MODULE 4: BASIC AND ADVANCED LIFE SUPPORT FOR ADULT PATIENTS.

MODULE 5: MULTIPLE CASUALTY INCIDENTS.

##### **THEORETICAL-PRACTICAL BLOCK:**

ACTIVITY 1: SVB.

ACTIVITY 2: Advanced airway and difficult airway management.

ACTIVITY 3: Venous access. Intraosseous route.

#### **EVALUATION**

It will be a continuous assessment throughout the course. Therefore, 30% of the final grade will be obtained from classroom activities and 70% from the final exam. Attendance at the workshops is MANDATORY.

#### **EVALUATION: REGULAR CONVOCATION**

<b>EVALUATION ACTIVITY</b>	<b>WEIGHTING</b>	<b>REMARKS</b>	<b>MAXIMUM SCORE</b>
Final exam (objective test)	70%	Final written theoretical exam, multiple-choice and/or short questions, in which the contents of the topics developed in the theoretical classes will be evaluated, as well as any complementary information.	10

Attendance and participation. Classroom activities Attendance at the workshops is MANDATORY.	30%	Attendance, dedication, interest and collaboration of the student in the development of the course will be continuously assessed.	10
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**To pass the course it is necessary to pass the final exam, and attendance to the workshops.**

### **EXTRAORDINARY CALL**

<b>EVALUATION ACTIVITY</b>	<b>WEIGHTING</b>	<b>REMARKS</b>	<b>MAXIMUM SCORE</b>
Final exam (objective test)	100%	Final written theoretical exam, multiple-choice and/or short questions, in which the contents of the topics developed in the theoretical classes will be evaluated, as well as any complementary information.	10

**To pass the course it is necessary to pass the final exam and have attended the workshops previously.**

### **BIBLIOGRAPHY - INTERNET Resources**

- Guías RCP 2021 CERC/ERC/AHA. Últimas recomendaciones. Disponibles en: <https://www.emergencyglobalsystem.com/nuevas-guias-erc-2021-recomendaciones-consejo-europeo-resucitacion/>  
<https://2evs.co/guias-aha-2020-adultos-novedades/>
- Gary R. Strange, William R. Ahrens, and Steven Lelyveld. Medicina de urgencias pediátricas. Mexico DF. MacGraw-Hill Interamericana. 1998.
- Jimenez Murillo & Montero Perez: Medicina de Urgencias y Emergencias. Guía diagnóstica y protocolos de actuación. 6ª edición, ed Elsevier, 2018.
- Cuidados de enfermería. En la atención extrahospitalaria. EPES 2017. Disponible en: <https://www.amazon.es/clouddrive/share/tPfd74ROD9rolf0rzYWU176kdpf8AaFpEz4gfYYjiOL?encoding=UTF8&%2AVersion%2A=1&%2Aentries%2A=0&mgh=1>
- Recomendaciones Grupo de trabajo SEMES-SVAE
- Manual y Procedimientos de enfermería SUMMA 112.
- Alvarez Leiva. Manual de atención a múltiples víctimas y catástrofes. Ed. Arán.
- Alvarez Leiva. Asistencia sanitaria a múltiples víctimas y Catástrofes. Samu Editorial.
- Manual de Procedimientos SAMUR-PC. 2018.
- Guía asistencial Urgencias y Emergencias. SEMES. Castilla la Mancha.
- Sociedad Española de Medicina de Urgencias y Emergencias <http://www.semes.org/>
- Sociedad Española de Enfermería en Urgencias y Emergencias <http://www.enfermeriadeurgencias.com/>
- Emergency Nurses Association <http://www.ena.org/>
- <https://www.urgenciasyemergen.com/libros-y-manuales/>
- <https://semesmadrid.es/manuales-de-urgencias/>

**SE IRÁN INTRODUCIENDO NUEVAS PÁGINAS**

**TEACHING STAFF \***

**Teacher Responsible (coordinator):** Jacinto Gómez Higuera

**Collaborating teachers:** Carmen Cardós Alonso y M<sup>a</sup> José González Sanavia

Department: Nursing.