

Course Unit	Nursing in Emergencies and Catastrophes		Field of study	Nursing	
Bachelor in	Nursing		School	School of Health	
Academic Year	2022/2023	Year of study	2	Level	1-2
Type	Semestral	Semester	1	ECTS credits	4.0
Code	9501-699-2101-00-22				
Workload (hours)	108	Contact hours	T -	TP 37,5	PL 15
			TC -	S -	E -
			OT -	O -	

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) Leonel São Romão Preto, Claudia Sofia Goncalves Nunes

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

- Gain knowledge of support to implement and evaluate nursing care in critically ill patients and emergency settings.

Prerequisites

Before the course unit the learner is expected to be able to:
None.

Course contents

- 1- Disaster and emergency management system. Major disaster. Triage at an accident scene. Triage in the emergency department. The Manchester triage system.
- 2- Basic Life Support. 3- Advanced Life Support. 4- Organization and operation of emergency services. 5- Nursing interventions in emergency.

Course contents (extended version)

1. Disaster and emergency management system.
 - The Manchester triage system.
2. Basic Life Support.
 - - Basic Life Support practical. Practice in Lab.
3. Advanced Life Support. Introduction ALS in perspective. Causes and prevention of cardiac arrest.
4. Acute coronary syndromes.
5. Advanced Airway Management and intubation.
 - - Advanced airway management. Practice in Lab.
6. Cardiac monitoring and rhythms recognition. Defibrillation. Drugs in ALS. Venous access.
 - - Recognition of heart rhythms. - Defibrillation. Practice in Lab
 - - Defibrillation. Practice in Lab
7. The universal Advanced Life Support algorithm.
8. Cardiac arrest in special situations. Peri-Arrest . Treatment of arrhythmias.
9. Post resuscitation care.
 - The role of team leader.
10. Organization of emergency services.
11. Nursing interventions in emergency.

Recommended reading

1. INEM. (2020). Manual de Suporte Avançado de Vida (1ª ed.). Lisboa, Portugal: INEM. Departamento de Formação em Emergência Médica.
2. Perkins, G. D et al (2015). European Resuscitation Council Guidelines for Resuscitation 2015: Section 2. Adult basic life support and automated external defibrillation. Resuscitation, 95, 81-99.
3. Soar, J. et al (2015). European Resuscitation Council Guidelines for Resuscitation 2015: Section 3. Adult advanced life support. Resuscitation. doi: 10. 1016/j. resuscitation. 2015. 07. 016.

Teaching and learning methods

Lectures. Practical sessions. Training with manikins in small groups. Clinical cases discussion.

Assessment methods

1. written test (100%) - (Regular, Student Worker) (Final)
2. Final exam (100%) - (Regular, Student Worker) (Final, Supplementary, Special)

Language of instruction

Portuguese

Electronic validation

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05-04-2023	11-04-2023	17-04-2023	17-04-2023