

Course Unit	Nursing of the Person in Critical Situation and/or Organic Failure I		Field of study	Nursing	
Master in	Medical-Surgical Nursing caring for the person in critical stage		School	School of Health	
Academic Year	2023/2024	Year of study	1	Level	2-1
Type	Semestral	Semester	1	ECTS credits	8.0
Code	5064-762-1101-00-23				
Workload (hours)	216	Contact hours	T -	TP 40	PL 20
			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) António José Grilo Novais, Marco Bruno Mendes de Sousa

### Learning outcomes and competences

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

1. identify the main changes associated with complex processes of critical illness and/or organic failure of several systems
2. Understand the specificities inherent to the good practice of Gerontological/Geriatric nursing care.

### Prerequisites

Not applicable

### Course contents

critical illness and/or organ failure related to changes in: Airway and Respiratory; Cardiovascular; Neurological; Musculoskeletal; Gastrointestinal, Genitourinary and nephrological; Endocrine and metabolic; Immunological and hematological. 2. Applied anatomy and physiology; applied biophysics and biochemistry; applied microbiology and epidemiology; applied pharmacology and nutrition of the high-risk patient. 3. Gerontogeriatric considerations

### Course contents (extended version)

1. Complex processes of critical illness and/or organ failure related to changes in:
  - Airway and Respiratory;
  - Cardiovascular;
  - Neurological;
  - Musculoskeletal;
  - Gastrointestinal;
  - Genitourinary and nephrological;
  - Endocrine and metabolic;
  - Immunological and hematological.
2. The high-risk patient.
  - Applied anatomy and physiology
  - applied biophysics and biochemistry
  - applied microbiology and epidemiology
  - applied pharmacology and nutrition
3. Gerontogeriatric considerations

### Recommended reading

1. Associação Nacional de Técnicas de Emergência Médica - NAEMT (2016). PHTLS - Atendimento pre-hospitalar ao traumatizado (8ª ed). Artmed editora.
2. Morton, P. G. & Fontaine, D. K. (2011). Cuidados críticos de enfermagem. Uma Abordagem Holística. Rio de Janeiro: Guanabara Koogan
3. Pinho, J. A. (2020). Enfermagem de Cuidados Intensivos. Lisboa: Editora Lidel Edições Técnicas, Lda.
4. Bemposta, Maria Cristina Mós; Silva, Norberto; Martins, Matilde (2019). Ritmo Circadiano do Enfarte Agudo do Miocárdio Hora mais frequente de início da sintomatologia do EAM. Novas Edições Académicas.

### Teaching and learning methods

The teaching strategies and methods to be adopted will be the most appropriate to the programmatic content, using expository and interactive methods. The simulated practice in laboratory will be one of the strategies for promoting the acquisition of specific skills in the area of specialty. Presentation and discussion of clinical situations.

### Assessment methods

1. Individual written test - (Regular, Student Worker) (Final)
  - Final Written Exam - 70% (The assessment will be made through an individual written test)
  - Practical Work - 30% (the evaluation of performance in practical work)
2. Exam - (Regular, Student Worker) (Supplementary)
  - Final Written Exam - 100% (Final Written Exam)

### Language of instruction

Portuguese

### Electronic validation

António José Grilo Novais, Marco Bruno Mendes de Sousa	Matilde Delmina da Silva Martins	Hélder Jaime Fernandes	Adília Maria Pires da Silva Fernandes
21-02-2024	23-02-2024	27-02-2024	28-02-2024