

Course Unit	Prevenção e Controlo da Infecção Associada aos Cuidados de Saúde	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
Type	Semestral	Semester	2
Workload (hours)	108	Contact hours	T - , TP 20, PL 5, TC - , S 5, E - , OT - , O -
Level	2-1	ECTS credits	4.0
Code	5064-762-1203-00-23		

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) Ana Rita Veloso Goncalves, Bruno Henrique Andrade Galvão

### Learning outcomes and competences

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

- Understand the design and implementation of infection prevention and control plans in response to the needs of the context of care for the person in situation and/or organ failure.
- Incorporate the development of IC procedures with prevention standards, particularly for HCAI and resistance to antimicrobial resistance in people in critical condition.

### Prerequisites

Before the course unit the learner is expected to be able to:  
Not applicable.

### Course contents

- Healthcare-associated infections (HCAI).
- Developments in the valorization of HCAI at international level.
- Personalities and milestones.
- Organizations responsible for implementing programs and the production of standards and guidelines.
- National Program for the Prevention and Control of Infections and Antimicrobial Resistance (PPCIRA).
- Epidemiological chain.
- Predisposing factors for HCAI.

### Course contents (extended version)

- Epistemology of HCAI prevention and control.
  - Historical evolution of infection control.
- National and institutional organization for the prevention and control of HCAI.
- National Plan for the Prevention and Control of HCAI.
  - Epidemiological Surveillance Programs
- Individual and collective protection strategies.
  - PBCI.
  - PBVT.
- Sorting and packaging waste, circuits and treatment.
  - RH: Sorting by groups.
- Disinfectant, antiseptic and sterilization policy.
  - Spaulding classification.

### Recommended reading

- Cruz, M. & Martins, M. (2019). Pneumonia associada à ventilação mecânica invasiva: cuidados de enfermagem. Revista de Enfermagem Referência.
- Direção Geral de Saúde (2023). Estratégia Multimodal de Promoção das Precauções Básicas de Controlo de Infecção (EM-PBCI). Lisboa
- Direção Geral de Saúde (2022). Infecções e Resistências aos Antimicrobianos: Relatório Anual do Programa Prioritário PPCIRA, 2021. Ministério da Saúde. Portugal.
- Direção Geral de Saúde (2019). Plano nacional de combate à resistência aos antimicrobianos 2019-2023. Lisboa.
- Martins, M. & Fernandes, A. (2019). Implementação de bundles na prevenção da infeção após prótese total da anca. Revista de Enfermagem Referência. Coimbra.

### Teaching and learning methods

- Development of learning using expository, demonstrative and interactive methods, using audiovisual media.
- Seminars on the organization and promotion of infection prevention and control in healthcare institutions, by nurses and other professionals who are part of GCL-PPCIRA.

### Assessment methods

- Final Written Exam - 70%; Pratical Work - 30% - (Regular, Student Worker) (Final)
- Final Written Exam - 100% - (Regular, Student Worker) (Supplementary)

### Language of instruction

Portuguese

### Electronic validation

Ana Rita Veloso Goncalves, Bruno Henrique Andrade Galvão	Matilde Delmina da Silva Martins	Hélder Jaime Fernandes	Adília Maria Pires da Silva Fernandes
09-05-2024	09-05-2024	09-05-2024	10-05-2024