



Course Unit:
15734 - Environmental and Health

Year 3 Semester 6 ISCED Code: 521 ECTS: 3,0

Type of Course Unit: Compulsory Delivery Mode: Face-to-face Language of Instruction: Portuguese

COURSE COORDINATOR: Patrícia Alexandra Dias Brito Palma

HOURS OF WORK

TOTAL HOURS	Contact Hours								Hours in autonomous work
	Theory	Theory and practice	Practical and laboratory work	Field work	Seminar	Internship	Tutorial guidance	Other	
75		45							35

Prerequisites (if applicable):

LEARNING OUTCOMES (knowledge, skills and competence)

The course aims to train the use of the main health indicators, such as morbidity and mortality for health diagnosis and prevention and control of community diseases. Transmission of concepts and methods used in collective health and their application.

The course aims to transmit to the student the history, evolution and application of epidemiology.

Epidemiological studies used to evaluate risk factors and environmental hazard. Concept and forms of environmental and occupational health assessment. Basics of environmental health planning.

CONTENTS

- Introduction to Public Health
- Factors that Condition Health
- Sanitary Characterization of a Community: Health Indicators
- Mortality rates: Mortality by disease, by age group, Infant, post-neonatal
- Morbidity rates: Prevalence / Incidence
- Introduction to Epidemiology: Types of Studies Used in Epidemiology, Epidemiological Risk
- Environmental Health, Sanitation and Sanitation of the Environment - Concepts
- Basic Sanitation - Water Supply
- Swimming Pools (Prevention, Control and Surveillance)
- Bathing Waters
- Residual waters
- Solid Waste
- Food Safety: Food Surveillance
- Housing Health
- School Salubrity
- Sick Buildings Syndrome

DEMONSTRATION OF THE CONTENTS COHERENCE WITH THE COURSE UNIT'S LEARNING OUTCOMES

The curricular unit intends to equip the student with the knowledge at the scientific area of epidemiology and environmental health through specific methodology: transmission of language terms and training for calculation procedures and implementation of environmental health programs.

TEACHING METHODOLOGIES

The classes will have a theoretical-practical format, where the teaching will be based on the development of students' competences, concentrating the learning in more relevant aspects, more applicable and more propitious to the development of useful skills in real contexts.

DEMONSTRATION OF THE COHERENCE BETWEEN THE TEACHING METHODOLOGIES AND THE LEARNING OUTCOMES

The curricular unit intends to equip the student with the knowledge of the scientific area of epidemiology and environmental health, through the notions and specific methodology. Transmission of language terms and training for calculation procedures.

EVALUATION METHODS

The evaluation integrates the accomplishment of 2 individualized works in the scope of the characterization of the health community (50%) and 1 project in group with discussion and oral presentation at environmental health (50%).

MAIN BIBLIOGRAPHY

- Gordis L. (2004). Epidemiologia. 2ª Edição. Editora Revinter (Brasil).
- Medronho R., Bloch K.V., Luiz R.R; Werneck G.L . (2009). Epidemiologia. 2ª Edição. Editora: Atheneu (São Paulo)
- Rouquayrol Z.M., Almeida-Filho N. (2009). Epidemiologia e Saúde. 6ª Edição. Editora: Guanabara Koogan.
- Rothman, Kenneth J. (2012). Epidemiology: An Introduction. Editora: Oxford (London).
- Hallenbeck, W. H., (2000). Quantitative Risk Assessment for Environmental and Occupational Health. 2ª Edição. Editora: Lewis Publishers (London)
- Last, J. M. (1998). Public Health and Human Ecology. 2ª Edição. Editora: Appleton & Lange (United States).

Year of implementation: 2017/2018 | Date of approval by the Technical-Scientific Board: 2016-07-27