

Course Unit	Fundamentals of Environmental Education	Field of study	-
Bachelor in	Environmental Education	School	School of Education
Academic Year	2023/2024	Year of study	1
Type	Annual	Semester	-
Level	1-1	ECTS credits	10.0
Code	9082-768-1003-00-23		
Workload (hours)	270	Contact hours	T - , TP 81, PL - , TC 18, S - , E - , OT 18, 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) Maria Conceição Costa Martins, Regina Maria Mesquita

#### Learning outcomes and competences

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

1. Knowing the evolution of the concept of environmental education.
2. Relate the concepts of environmental education and sustainable development.
3. Understanding the interdependence of natural, economic and social dimensions of Sustainable Development.
4. Interpret the factors that limit the success of the MDGs set by the UN.
5. Recognizing the importance of attitudes and individual behavior in environmental education.
6. Discuss the role of non-governmental organizations and international organizations in the promotion of environmental education.

#### Prerequisites

Before the course unit the learner is expected to be able to:  
No prerequisites required

#### Course contents

1. Concepts and goals of Environmental Education; 2. Challenges of (new) Millennium; 3. The environmental problems in contemporary world; 4. Attitudes and behaviours towards the environment; 5. The role of environmental educators in developing a new ethic of Man towards Nature.

#### Course contents (extended version)

1. Concepts and goals of Environmental Education
  - Major international summits in the 70s
  - Evolution of the concept of Environmental Education
  - Evolution of Environmental Education in Portugal
2. Challenges of (new) Millennium
  - The Brundtland Report and the concept of Sustainable Development
  - The Agenda 21 and the Millennium Development Goals (MDG)
  - Sustainable Development Goals (SDG) and 2030 Agenda
3. The environmental problems in the contemporary world
  - Factors affecting the 2030 Agenda
  - Climate crisis
  - Consumption and degradation of natural resources
4. Attitudes and behaviours towards the environment
  - Values and attitudes towards the environment
  - Changing behaviors
  - Lifestyle and consumption patterns
5. The role of environmental educators in developing a new ethic of Man against Nature
  - Nongovernmental Organizations
  - Government structures in Portugal
  - International organizations

#### Recommended reading

1. Moser, S. (2010). Communicating climate change: history, challenges, process and future directions. *Wiley Interdisciplinary Reviews: Climate Change*, 1(1), 31-53. <https://doi.org/10.1002/wcc.11>
2. Resolução do Conselho de Ministros n.º 100/2017. Estratégia Nacional de Educação Ambiental 2020. *Diário da República*, 1.ª série, N.º 132, 11 de julho de 2017, pp. 3533- 3550.
3. Sato, M., & Carvalho, I. (2005). Educação ambiental pesquisa e desafios. *Artmed*.
4. Schmidt, L., Guerra, J., & Nave, J. (2010). Educação Ambiental. Balanço e perspectivas para uma agenda mais sustentável. *Imprensa de Ciências Sociais*.
5. UNESCO (2015). *Global Citizenship Education: Topics and Learning Objectives*. UNESCO.

#### Teaching and learning methods

Theoretical and practical classes: issues posed by teacher, with discussion by students of the topics presented. tutorial classes: issues posed by teacher or students, in the form of press texts or videos and worked in groups.

#### Assessment methods

1. Continuous assessment - (Regular, Student Worker) (Final)
  - Intermediate Written Test - 30% (Partial test)
  - Intermediate Written Test - 40% (Comprehensive test on all the subjects taught)
  - Practical Work - 30% (Implementation of environmental education activities with presentation and discussion of results)
2. Exam - (Regular, Student Worker) (Supplementary, Special)
  - Final Written Exam - 100% (Final exam with all the contents of the subject)

#### Language of instruction

Portuguese, with additional English support for foreign students.

## Electronic validation

Maria Conceição Costa Martins	Paulo Miguel Mafra Gonçalves	Adorinda Maria Rodrigues Pereira S. Gonçalves	Carlos Manuel Costa Teixeira
20-02-2024	22-02-2024	23-02-2024	25-02-2024