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|------------------|--------------------------------------|----------------|--|
| Course Unit      | Option III - Environmental Education | Field of study | Training in Teaching Area                        |
| Bachelor in      | Basic Education                      | School         | School of Education                              |
| Academic Year    | 2022/2023                            | Year of study  | 3  |
| Type             | Semestral                            | Semester       | 2  |
| Level            | 1-3                                  | ECTS credits   | 3.0  |
| Code             | 9853-531-3205-05-22                  |                |  |
| Workload (hours) | 81                                   | Contact hours  | T - , TP 27, PL - , TC - , S - , E - , OT 9, 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) Adorinda Maria Rodrigues Pereira S. Gonçalves, Maria Conceição Costa Martins

#### Learning outcomes and competences

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

1. Recognize the role of man as an ecosystems modifier.
2. Knowing the importance of environmental quality for emotional balance and well being of the individual.
3. Understand the implications of natural resources plundering.
4. Recognize the negative environmental issues arising from the industrialized society and consumption.
5. Understand the importance of individual behaviour on environment issues.
6. Analyze and discuss ways of implementing the Framework Reference of Environmental Education for Sustainability in Preschool Education and Elementary and Secondary Education.

#### Prerequisites

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

#### Course contents

1. The environmental issue in contemporary world: Environment and development; 2. Evolution of Environmental Education in Portugal and in the World; 3. Attitudes and behaviours towards the environment: the citizen's role.

#### Course contents (extended version)

1. The environmental issue in the contemporary world: Environment and Development
  - The value of natural resources in support of human life and emotional balance
  - Sustainable development: evolution, applications and limitations of the concept
2. Evolution of Environmental Education in Portugal and in the World
  - Environmental education in formal contexts
  - Informal practices of Environmental Education
  - The United Nations Agenda 2030 and the Objectives of Sustainable Development
  - Framework for implementation on EE for Sustainability in Pre-school, Basic and Secondary Education
3. Attitudes and behaviours towards the environment: the citizen's role
  - Values and attitudes towards the environment
  - Changing behaviors
  - Lifestyle and consumption patterns
  - The society organization

#### Recommended reading

1. Caride, J. A. , & Meira, P. A. (2004). Educação ambiental e desenvolvimento humano. Instituto Piaget.
2. DGE (2018). Referencial de educação ambiental para a sustentabilidade para a educação pré-escolar, o ensino básico e o ensino secundário. Ministério da Educação, Direção Geral de Educação.
3. Gore, A. A. (2006). Uma verdade inconveniente. Esfera do Caos Editores.
4. Teixeira, F. (2003). Educação Ambiental em Portugal. Liga para a Proteção da Natureza.
5. UNESCO (2021). Learn for our planet: a global review of how environmental issues are integrated in education. UNESCO Digital Library. <https://unesdoc.unesco.org/ark:/48223/pf0000377362>

#### Teaching and learning methods

Theoretical-practice: issues posed by teacher, with presented topics discussion . Field classes and mentoring: issues posed by teachers or by students, as press texts or videos and worked in groups.

#### Assessment methods

1. Continuous assessment - (Regular, Student Worker) (Final)
  - Intermediate Written Test - 70% (Comprehensive test on all the subjects taught)
  - Practical Work - 30% (Implementation of an environmental education activity. Presentation and discussion of results)
2. Exam evaluation - (Regular, Student Worker) (Supplementary)
  - Final Written Exam - 70% (Final written with all the contents of the discipline)
  - Practical Work - 30% (Corresponding to the evaluation of the practical component conducted during class)
3. Exam evaluation - (Regular, Student Worker) (Special)
  - Final Written Exam - 100% (Final written with all the contents of the discipline)

#### Language of instruction

Portuguese, with additional English support for foreign students.

## Electronic validation

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|--|------------------------------|--|------------------------------|
| Adorinda Maria Rodrigues Pereira S. Gonçalves, Maria Conceição Costa Martins | Paulo Miguel Mafra Gonçalves | Maria Cristina do Espírito Santo Martins | Carlos Manuel Costa Teixeira |
| 29-12-2022   | 30-12-2022                   | 08-01-2023                               | 09-01-2023                   |