

Course Unit	Environmental Education Methodologies I	Field of study	Educational Sciences
Bachelor in	Environmental Education	School	School of Education
Academic Year	2021/2022	Year of study	2
Type	Semestral	Semester	2
Level	1-2	ECTS credits	4.0
Code	9082-620-2203-00-21		
Workload (hours)	108	Contact hours	T - TP 36 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) Maria José Afonso Magalhães Rodrigues

#### Learning outcomes and competences

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

1. Realize environmental education as a tool for prevention of environmental problems
2. Identify environmental problems and make proposals for their minimization or resolution
3. Analyze and characterize activities and strategies used in different fields of expertise in environmental education
4. Use and produce resources for the development of environmental education actions
5. Planning environmental education activities promoting attitudes of respect for nature and environmental conservation

#### Prerequisites

Before the course unit the learner is expected to be able to:  
Prerequisites are not required.

#### Course contents

1. Environmental education actions
2. Types of environmental education activities
3. Material resources and documentation to support environmental education
4. Planning environmental education actions.

#### Course contents (extended version)

1. Actions for environmental education
  - Aims and objectives of the actions of environmental education
2. Types of environmental education activities
  - Passive activities (seminars, conferences, documentary film, etc. )
  - Active activities (eg. oriented research, drama, debate, study visits, etc. )
  - Diversified strategies for the development of environmental education actions
3. Material resources and documentation to support environmental education
  - Diversified information sources
  - Use of different documents for the development of environmental education actions
  - Production of diverse resources for the development of environmental education actions
4. Stages of planning environmental education actions
  - Needs assessment
  - Definition of objectives (aims, goals and specific objectives)
  - Selection of content
  - Definition of the methods and techniques of education
  - Making materials and educational resources
  - Evaluation (the student, the educator / trainer, training / environmental education action)

#### Recommended reading

1. Díaz, A. P. (2002). Educação ambiental como projeto. Artmed.
2. North American Association for Environmental Education (NAAEE). (2010). Guidelines for the preparation and professional development of environmental educators. NAAEE.
3. North American Association for Environmental Education (NAAEE). (2004). Environmental education materials: Guidelines for excellence. NAAEE.
4. Schmidt, L. , Guerra, J., & Nave, J. (2010). Educação ambiental. Balanço e perspectivas para uma agenda mais sustentável. Imprensa de Ciências Sociais.
5. Uzzell, D. , Fontes, P. , Jensen, B. , Vognsen, C. , Uhrenholdt, G. , Gotteadiener, H. Davallon, J., & Kofoed, J. (1998). As crianças como agentes de mudança ambiental. Tipografia do Carvalhido.

#### Teaching and learning methods

Active and participatory methodologies promoting the student in its knowledge construction process. In practical classes, the contents will be addressed starting from situations experienced by in their day-to-day. Group activities of accomplishment and environmental education activities for different audiences. The work of the groups will be presented to the class and discussed in large group.

#### Assessment methods

1. Evaluation by frequency - (Regular, Student Worker) (Final)
  - Practical Work - 50% (Environmental education action planning for a specific target audience.)
  - Intermediate Written Test - 50% (Written test to assess the theoretical and practical contents.)
2. Assessment by examination - (Regular, Student Worker) (Supplementary, Special)
  - Final Written Exam - 50% (Written test to assess the theoretical and practical contents.)
  - Practical Work - 50% (Environmental education action planning for a specific target audience.)

#### Language of instruction

Portuguese

## Electronic validation

Maria José Afonso Magalhães Rodrigues	Delmina Maria Pires	Paulo Miguel Mafra Gonçalves	Carlos Manuel Costa Teixeira
06-12-2021	06-12-2021	09-12-2021	09-12-2021