

Course Unit	Option 2 - Environmental Education Workshop		Field of study	Educational Sciences	
Master in	Science Education		School	School of Education	
Academic Year	2020/2021	Year of study	1	Level	2-1
Type	Semestral	Semester	2	ECTS credits	4.0
Code	5016-627-1204-02-20				
Workload (hours)	108	Contact hours	T -	TP 36	PL -
			TC -	S -	E -
			OT -	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) Paulo Miguel Mafra Gonçalves

Learning outcomes and competences

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

1. Identify environmental problems and propose strategies to resolve or minimize environmental impacts;
2. Understand the importance of individual behavior in matters relating to the environment;
3. Promote environment preservation attitudes in the students and the community;
4. Know methodologies and strategies used in environmental education in different fields of activity;
5. Planning environmental education activities in schools promoting environmental preservation actions.

Prerequisites

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

Course contents

1. Environmental issues in the contemporary world. Major environmental challenges of the planet; 2. Attitudes and behaviors towards the environment: educate for action; 3. Actions of Environmental Education; 4. The actions of Environmental Education in different contexts; 5. Action Plan in Environmental Education.

Course contents (extended version)

1. Environmental issues in the contemporary world. Major environmental challenges of the planet.
 - Sustainable development as a development factor in today society.
2. Attitudes and behaviors towards the environment: educate for action.
3. Actions of Environmental Education.
 - The role of teachers in environmental education.
 - Aims and objectives of actions in environmental education;
 - Typology of environmental education activities
4. The actions of Environmental Education in different contexts
 - formal context
 - non-formal context
 - informal context
5. Action Plan in Environmental Education
 - Problem Identification
 - Planning
 - Organization
 - Achievement
 - Evaluation

Recommended reading

1. Díaz, A. P. (2002). Educação Ambiental como projeto. Porto Alegre: Artmed.
2. Novo, M. (2009). El Desarrollo sostenible: Su dimensión ambiental y educativa. Madrid: Editorial Universitas, S. A.
3. Partidário, M. R. (2007). Guia de boas práticas para Avaliação Ambiental Estratégica – orientações metodológicas. Amadora: Agência Portuguesa do Ambiente.
4. Schmidt, L. , Guerra, J. & Nave, J. (2010). Educação Ambiental. Balanço e perspectivas para uma agenda mais sustentável. Lisboa: Imprensa de Ciências Sociais.

Teaching and learning methods

The curricular unit has a reflective, interactive and practical component. There will be some theoretical moments, in which the contents are presented. The analysis and reflection of group themes are privileged, followed by debate. The intention is to involve students in the planning of practical activities in environmental education in a school context, enabling them to act in this context.

Assessment methods

1. Continuous evaluation - (Regular, Student Worker) (Final, Supplementary)
 - Practical Work - 50% (Individual work on topics of the course.)
 - Projects - 50% (Group work to prepare an intervention project in Environmental Education.)
2. Examination evaluation - (Regular, Student Worker) (Final, Supplementary, Special)
 - Presentations - 100% (Individual work presentation on the themes covered in the course.)

Language of instruction

1. Portuguese
2. Portuguese, with additional English support for foreign students.

Electronic validation

Paulo Miguel Mafra Gonçalves	Paulo Miguel Mafra Gonçalves	Delmina Maria Pires	António Francisco Ribeiro Alves
18-12-2020	18-12-2020	18-12-2020	18-12-2020