

Course Unit	Ecology and Earth Sciences	Field of study	Training in Teaching Area
Bachelor in	Basic Education	School	School of Education
Academic Year	2023/2024	Year of study	2
Type	Semestral	Semester	1
Level	1-2	ECTS credits	4.0
Code	9853-531-2101-00-23		
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) Elsa Maria Gabriel Morgado, Paulo Miguel Mafra Gonçalves

**Learning outcomes and competences**  
At the end of the course unit the learner is expected to be able to:

**Prerequisites**  
Before the course unit the learner is expected to be able to:

**Course contents**

**Course contents (extended version)**

**Recommended reading**

1. Meira-Carrea, P. A. (Coord. ) (2012). Conhece e valoriza as alterações climáticas. Propostas para trabalhar em grupo. Gráficas Mera
2. Velho, J. L. (2006). Os recursos minerais - uma visão geohistórica. Palimage Editores
3. Odum, E. P. , & Barret, G. W. (2007). Fundamentos de ecologia. Editora Thomson Pioneira
4. Gore, A. (2009). A Terra em equilíbrio - A ecologia e o espírito humano. Editora Estrela Polar
5. Thompson, R. , & Turk, J. (2005). Earth science and the environment. Brooks/Cole.

**Teaching and learning methods**

**Assessment methods**

1. Assessment - (Regular, Student Worker) (Final)
  - Intermediate Written Test - 70%
2. Assessment - (Regular, Student Worker) (Supplementary, Special)
  - Final Written Exam - 100%

**Language of instruction**  
Portuguese, with additional English support for foreign students.

**Electronic validation**

Elsa Maria Gabriel Morgado	Paulo Miguel Mafra Gonçalves	Maria Cristina do Espírito Santo Martins	Carlos Manuel Costa Teixeira
16-02-2024	22-02-2024	25-03-2024	04-04-2024

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