

Course Unit	Observing and Representing Local Environment	Field of study	Natural 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	6.0
Code	9082-620-2204-00-21		
Workload (hours)	162	Contact hours	T - TP 54 PL - TC - 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) Pedro Alexandre Oliveira Couceiro

Learning outcomes and competences

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

1. Observe the territory
2. Know the different forms of representation of the local environment
3. Know the different sources, methods of analysis and graphical representation
4. Analyze the population as a factor of unity and diversity of local
5. Understand the importance of air and water to life and the human potential
6. Explain the importance of resources in support of human activity

Prerequisites

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

Course contents

- Observation and representation of the Earth - Population: distribution, evolution, characterization and demographic problems - Water and its importance - Sea: problems and challenges - Portugal in the XXI century

Course contents (extended version)

1. Observation and representation of the Earth
 - General notions of cartography
 - Maps
 - Representation of relief
 - Geographic coordinates: orientation
 - Geographic location of the local in region and in the World
2. Population: distribution, evolution, characterization and population problems
 - Urban attractionn and rural exodus
 - Two centuries of emigration
 - Aging, expertise and new family structures in XXI century
3. Water and its importance
 - Dynamics of the atmosphere and clime
 - Water availability and problems of distribution and utilization
4. Sea: problems and challenges
 - Problems in the management of the sea
 - Maximize the use of maritime space
5. Portugal in the XXI century
 - Territorial and politics development
 - Mobility and transport infrastructure

Recommended reading

1. Bailey, A. (2005). Making Population Geography. Arnold Publications.
2. Instituto Geográfico do Exército (2008). Manual leitura de cartas. Instituto Geográfico do Exército.
3. Medeiros, C. A. (Direcção) (2005). Geografia de Portugal - Actividades Económicas e Espaço Geográfico (Vol. 3). Printer Portuguesa Indústria Gráfica LD^a- Círculo de Leitores e Autores.
4. Ministério do Ambiente et al. (2008). Articulação entre a Gestão da Água e o Ordenamento do Território. Ministério do Ambiente, do Ordenamento do Território e do Desenvolvimento Regional.
5. Pereira, A. R. (2002). Geografia Física e Ambiente. Universidade Aberta.

Teaching and learning methods

- Discussion - Debate - Critical reflections - Group work - Solving problems - Study visits

Assessment methods

1. Continuous evaluation - (Regular, Student Worker) (Final)
 - Intermediate Written Test - 70% (Writing teste)
 - Practical Work - 30% (Group work)
2. Appeal evaluation moment - (Regular, Student Worker) (Supplementary, Special)
 - Final Written Exam - 100%

Language of instruction

Portuguese

Electronic validation

Pedro Alexandre Oliveira Couceiro	Orlando Miguel Pina Gonçalves Martins Gama	Paulo Miguel Mafra Gonçalves	Carlos Manuel Costa Teixeira
25-10-2021	30-10-2021	03-11-2021	25-11-2021