

Course Unit	Biodiversity			Field of study	Natural Sciences	
Bachelor in	Environmental Education			School	School of Education	
Academic Year	2021/2022	Year of study	2	Level	1-2	ECTS credits 8.0
Туре	Annual	Semester	-	Code	9082-620-2001-00-21	
Workload (hours)	216	Contact hours			C - S	E - OT 18 O Fieldwork; S - Seminar, E - Placement, OT - Tutorial; O - Other
Name(s) of lecturer(s) Maria Conceicao Costa Martins						

Learning outcomes and competences

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

- Lunderstand that the diversity of living beings reflects the existence of many differences, but also of many similarities between them.

 Understand that the diversity of living beings reflects the existence of many differences, but also of many similarities between them.

 Understand the concept of species and their importance in sistematics.

 Discuss different theories about the origin of living beings and of the evolution of species.

 Distinguish the main taxonomic groups that are grouped living beings.

 Understand the importance of biodiversity on our planet.

 Recognize the major threat to biodiversity factors.

- Recognize the major threat to biodiversity factors.
 Identify the most important groups and species of biological diversity in Portugal.

Prerequisites

Before the course unit the learner is expected to be able to: No pre-requisites

Course contents

1-Diversity and unity of Life. 2-Study of the major taxonomic groups. 3-Biodiversity and nature conservation.

Course contents (extended version)

- Diversity and unity of Life
 Classification of living organisms
 Origin and evolution of living beings
 Classical theories about the evolution of species and Evolutionism
- Classical theories about the evolution of species and 2. Study of the major taxonomic groups
 Monera, Protista e Fungi Kingdom
 Plant and Animalia Kingdom
 Diversity and ecological relevance of Traqueophytes
 Diversity and ecological relevance of Chordats
 2. Biodiversity and potters expensed to the content of the

- Biodiversity and nature conservation
 Biodiversity in Portugal
 Biodiversity conservation relevance
 Threats to biodiversity
 Institutions and biodiversity protection instruments

Recommended reading

- Bencatel, J., Álvares, F., Moura, A. E., & Barbosa, A. M. (eds.) (2017). Atlas de mamíferos de Portugal. Universidade de Évora.
 Eiras, J. (2010). Charles Darwin (1809/2009). Evolução e biodiversidade. Editora da Universidade do Porto.
 Figueiró, A. (2015). Biogeografia: dinâmicas e transformações da natureza. Oficina de Textos.
 Secretariado da Convenção sobre Diversidade Biológica (2014). Panorama da biodiversidade global. CDB. www.cbd.int/GBO4.
 Sociedade Portuguesa de Botânica (2014). Flora-On: Flora de Portugal interactiva. SPBotânica. www.flora-on.pt.

Teaching and learning methods

The course has strong component reflective, interactive and practical. Some classes will have a theoretical/illustration character, where the presentation of content is made by the teacher, but there are also classes with debates and discussion of current topics on the study and preservation of Biodiversity. In the practical classes, laboratory and field research techniques will be used.

Assessment methods

- Continuous assessment (Regular, Student Worker) (Final)
 Intermediate Written Test 70% (Evaluation of the theoretical component will be done through 2 tests, both with equal weight)
 Laboratory Work 30% (Written reports on the practical lessons)
 Exam (Regular, Student Worker) (Supplementary, Special)
 Final Written Exam 70% (Concerns only the theoretical component and will be run through a test writing)
 Practical Work 30% (Corresponding to the assessment of the practical component obtained by frequency)

Language of instruction

Portuguese, with additional English support for foreign students

Electronic validation

2.00t.00 validation						
	Maria Conceiçao Costa Martins	Delmina Maria Pires	Paulo Miguel Mafra Gonçalves	Carlos Manuel Costa Teixeira		
ſ	26-10-2021	26-10-2021	29-10-2021	24-11-2021		