University of Nicosia, Cyprus

Course Code EDUE-142	**Course Title** Environmental Issues	**ECTS Credits** 6
Department Paedagogical Studies	**Semester** Fall	**Prerequisites** None
Type of Course Elective	**Field** Science Education	**Language of Instruction** Greek
Level of Course 1st Cycle	**Year of Study** 2nd	**Lecturer(s)** Dr Lucy Avraamidou Stella Hadjiachilleos
Mode of Delivery face-to-face	**Work Placement** N/A	**Co-requisites** None

Objectives of the course:

The main objectives of this course is that the students will:

- Familiarize with various environmental issues and environmental programs and initiatives (e.g. Care, Green Peace, Eco Schools).
- Understand the basic functions and interactions of living organisms.
- Learn about the role of humans on the environment, and ways to sustain it.
- Explore issues pertaining to sustainable development
- Develop observation skills specific to observing micro-organisms in an ecosystem (e.g. a forest), understand how human activity can affect the ecosystem and propose solutions.
- Know the importance of Environmental Education, Sustainable Development and Science-Technology-Science movements and explore ways to approach environmental issues as primary school teachers.
- Develop positive attitudes towards the environment.

Learning outcomes:

With the completion of the course the students will be able to:

- Explain the characteristics of ecosystems and the interactions (e.g. marine ecosystem, forest ecosystem, ecosystem of their backyard).
- Design field studies and compare the different conditions that exist, and how these can affect the living organisms, or the types of the living organisms in a specific field.
- Explain the environmental education movement.
- Compare the Sustainable Development movement to the first attempts to promote environmental education and identify the main differences.
- Predict changes to an environmental system when a new living organism is introduced, or when it is removed from the system.
- Demonstrate their understanding of Science-Technology-Society initiatives
- Prepare teaching activities to promote environmental education values.
- Design field trips to environmental centers in Cyprus.

Course content:

1. Ecosystems (forrest, marine ecosystem, the backyard as an ecostystem)
2. Interelations and interactions of ecosystems
3. Introduction of invasive species – case studies
4. Environmental Issues and Human
5. Socio-scientific issues
6. Environmental Education
7. Sustainable Development
8. Science-Techology-Society
9. Attitudes towards the envirnment – what the research has to say
10. Visit to an environmental center in Cyprus and participation in a day program.

Learning activities and teaching methods:

Lecture, workshops, experiential seminars, individual and group work, individual feedback, student presentations, field work.

Assessment methods:

Formative assessment, feedback, individual research, collaborative work, presentations, discussions

Required textbooks/reading:

Authors	**Title**	**Publisher**	**Year**	**ISBN**
Hadjiachilleos, S.	*EDUE 142 Notes (in Greek)*	UNIC	2010	N/A

Recommended Textbooks/Reading:

Authors	**Title**	**Publisher**	**Year**	**ISBN**
Emberlin, J.	*Εισαγωγή στην Οικολογία*	Αθήνα: Τυπωθήτω	2002	960-7643-20-8