



UNIVERSITY OF NICOSIA

ΠΑΝΕΠΙΣΤΗΜΙΟ ΛΕΥΚΩΣΙΑΣ

University of Nicosia, Cyprus

Course Code ENVM-110	Course Title Ecosystems and Environmental Change	ECTS Credits 6
Department Life and Health Sciences	Semester Spring	Prerequisites None
Type of Course Major Requirement	Field Environmental and Energy Management	Language of Instruction English
Level of Course 1 st Cycle	Year of Study 1 st	Lecturer(s) Dr Iris Charalambidou
Mode of Delivery face-to-face	Work Placement N/A	Co-requisites None

Objectives of the Course:

The aims of this course are to enable students to . . .

1. understand the basic structure and functioning of ecosystems
2. understand the impacts of selected anthropogenic activities on ecosystems
3. practice a range of Graduate Skills, including discipline specific skills

Learning Outcomes:

On completion of this course, students are expected to:

1. understand the major structural and functional aspects of selected ecosystems
2. understand the role of the major biogeochemical cycles
3. understand the ways in which ecosystems respond to natural and human-induced environmental change
4. gather, analyse and present ecological data in an appropriate way
5. execute a practical investigation to test an hypothesis
6. write up a scientific investigation

Course Content:

The course includes: biogeography, climate/vegetation patterns, ecological process, structure and functioning of selected ecosystems (e.g. woodlands, Mediterranean scrub land, agro-ecosystems, aquatic ecosystems), human influences on ecosystems (including examples of management), climate change and air pollutants (impacts on ecosystems), handling of ecological data, descriptive statistics.

Teaching Methods:

PPT Lectures, Videos, Readings, in-class discussions, practicals, fieldwork

Assessment Methods

Assignments, mid-term exam, final exam

Required Textbooks:

Authors	Title	Publisher	Year	ISBN
Begon M., Harper J. & Townsend C.	<i>Ecology: from individuals to ecosystems</i>	Blackwell Scientific	2005	
Dobson M. & Frid C.	<i>Ecology of aquatic systems</i>	Longman	1998	
Harrison R.M. (Ed.)	<i>Pollution causes, effects and control</i>	Royal Society of Chemistry	2001	
Thomas P. & Packham J.	<i>Ecology of woodlands and forests: description, dynamics and diversity</i>	Cambridge University Press	2007	