



UNIVERSITY OF NICOSIA ΠΑΝΕΠΙΣΤΗΜΙΟ ΛΕΥΚΩΣΙΑΣ

University of Nicosia, Cyprus

Course Code ENVM-315	Course Title Investigative Skills and Techniques	ECTS Credits 6
Department Life and Health Sciences	Semester Fall	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 3rd	Lecturer(s) Anastasia Priki
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. perform basic data analysis techniques on appropriate data
2. appreciate the variety of scientific analysis techniques available
3. develop a range of Graduate Skills, including discipline-specific skills

Learning Outcomes:

On completion of this course, students are expected to:

1. appreciate approaches and methods taken in appropriate scientific studies
2. demonstrate a basic understanding of selected data-handling and statistical methods
3. carry out basic practical work in an appropriate subject area
4. apply appropriate data-handling methods, including using computer packages to analyse scientific data
5. demonstrate ICT competence

Course Content:

The course introduces the basic approaches and methods used in a range of scientific studies, including data handling/presentation and data analysis. Students will undertake a range of appropriate practical sessions enabling practical skills to be developed. Topics that may be covered include: research approaches, experimental design, hypothesis-testing, mapping, data analysis (eg. Data transformation, relationships between variables, probability and confidence limits, data analysis with non-normally distributed data); social survey techniques; techniques for assessment of environmental impacts.

Teaching Methods:

PPT Lectures, Videos, Readings, In-class

Assessment Methods

Assignments, mid-term exam, final exam