



Course Code ENVM-450	Course Title Implementing Geospatial Information	ECTS Credits 6
Department Life and Health Sciences	Semester Spring	Prerequisites Fundamentals of Geospatial Information
Type of Course Major Requirement	Field Environmental and Energy Management	Language of Instruction English
Level of Course 1 st Cycle	Year of Study 4 th	Lecturer(s) Anastasia Priki
Mode of Delivery face-to-face	Work Placement N/A	Co-requisites None

Objectives of the Course:

To enable students to:

- Develop their knowledge and understanding of GISci principles and concepts and how these can be applied to support organisational decision making.

Learning Outcomes:

Upon completion of this course, students will:

- a) Demonstrate an in-depth understanding of a variety of aspects of GISci, including organisational implementation issues
- b) Develop an appreciation of project management issues in a GISci context
- c) Utilise appropriate discipline specific software and be able to use it in more than one application arena
- d) Develop advanced presentational graduate skills to a level appropriate to the final year.

Course Content:

This course enables students to discover and evaluate some of the issues surrounding institutional implementation of GIS, in a context appropriate for future employment. The students will be introduced to corporate implementation issues and historical issues and problems to enable them to avoid these in the future. The Internet will be heavily used to research developments in GISci, as well as for data discovery and mining for student projects.

Following training on how to manage GISci projects, students will be expected to undertake group and individual projects, producing reports for both.

Teaching Methods:

Lectures, Practicals, In-class exercises, In-class discussions and homework

Assessment Methods:

Assignments, mid-term exam, final exam

Required Textbooks:

Authors	Title	Publisher	Year	ISBN
Haywood, I., Cornelius, S., & Carver, S.	<i>An Introduction to Geographical Information Systems. (4th ed.)</i>	Prentice Hall	2011	
Longley P.A., Goodchild M., Maguire D.J. & Rhind D.W.	<i>Geographic information systems and science.</i>	John Wiley & Sons	2010	
Wilson J. & Fotheringham A.S.	<i>Handbook of geographic information science.</i>	Wiley- Blackwell	2007	