



Course Code ENVM-235	Course Title Global Climate Change and Adaptation	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 2 ^d	Lecturer(s) Dr Costas Papastavros
Mode of Delivery face-to-face	Work Placement N/A	Co-requisites None

Objectives of the Course:

- Develop an understanding of Climate Change and its effects in a multi-disciplinary approach;
- Develop an understanding on how climate change is changing the world we live in;
- Investigate and understand measures taken at international, EU and national level for adapting to climate change;

Learning Outcomes:

On completion of this module, students are expected to be able to:

1. Understand the main natural processes involved in climate change and the main factors affecting it.
2. Evaluate the evidence for climate change.
3. Develop knowledge on climate change interactions with particular sectors with regards to
 - a. Their contribution to climate change
 - b. Their sensitivity to climate change
 - c. Potential adaptation to climate change
4. Critically review policy measures to adapt to the impacts of climate change.

Course Content:

Past climate change and the natural greenhouse effect; climate change and human activities; factors affecting changes in the earth's average temperature; global warming; projecting future changes in earth's climate; possible effects of a warmer world; risk and governance transition; adaptation within the government and organisations; adaptation in agriculture, water, transport, energy, economy, health, lifestyle.

Teaching Methods:

Module is delivered by lectures and seminars and power point presentations, case studies, interactive group work and supervised self-study.

The module is also taught by on-line learning materials, seminars, tutorial support, discussion forums and directed self study.

Assessment Methods:

Weekly exercises	30%
Assignment	30%
Final Exam	40%

Required Textbooks:

Authors	Title	Publisher	Year	ISBN
John Houghton	<i>Global Warming: The Complete Briefing</i>	4 th Edition, Cambridge University Press	2009	
Worldwatch Institute	<i>2009 State of the World: Confronting Climate Change</i>	Earthscan, London	2009	