



Course Code OGAS-105	Course Title Intro to Energy Management	ECTS Credits 6
Department Management and MIS	Semester Fall / Spring	Prerequisites None
Type of Course Major Requirement	Field Energy, Oil and Gas Management	Language of Instruction English
Level of Course Undergraduate	Year of Study 1 st	Lecturer(s) Dr Costas Konis
Mode of Delivery face-to-face	Work Placement N/A	Co-requisites None

Objectives of the Course:

- Provide an introduction to the fundamentals of energy management and give an overview of the basics of measurement, management, legislation and reduction of focusing on consumption and costs;
- Develop an understanding of the energy resources in the world, the EU and Cyprus;

Learning Outcomes:

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

1. Understand the concept of energy and its interaction with the environment.
2. Understand primary energy production, energy reserves and consumption, and energy transformations such as renewable energy technologies.
3. Gain knowledge on EU and Cyprus energy legislation.
4. Gain knowledge on how to apply energy management techniques to reduce energy consumption and improve energy efficiency in the industry, the building sector, and transportation.

Course Content:

Energy and environment; energy transformations; energy production; energy markets and

supply; energy consumption; sustainable development of energy; energy efficiency; energy in the transport sector; energy in the building sector; energy in the industry sector; EU energy policy and legislation; Cyprus energy policy and legislation; renewable energy technologies

Teaching Methods:

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

Assessment Methods:

Assignments, mid-term exam, final exam

Required Textbooks:

Authors	Title	Publisher	Year	ISBN
Clive Beggs	<i>Energy: Management, Supply and Conservation</i>	Elsevier	2009	
	<i>Lecture Notes</i>			