

Course Title	Introduction to Energy Management				
Course Code	MOG572				
Course Type	Major Elective				
Level	BSc/1st Cycle				
Year / Semester	3 rd /5 th				
Teacher's Name	Dr Fotis Moustakis				
ECTS	7.5	Lectures / week	3 hours	Laboratories / week	
Course Purpose and Objectives	<ul style="list-style-type: none">• 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	<p>On completion of this module, students are expected to be able to:</p> <ol style="list-style-type: none">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.				
Prerequisites		Required			
Course Content	<p>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</p>				

Teaching Methodology	Lectures, In-class exercises, In-class discussions and homework
Bibliography	Clive Beggs Energy: Management, Supply and Conservation Elsevier 2009
Assessment	Final Exams 60% Assignment 20% Mid term 20%
Language	English