



# UNIVERSITY OF NICOSIA ΠΑΝΕΠΙΣΤΗΜΙΟ ΛΕΥΚΩΣΙΑΣ

University of Nicosia, Cyprus

<b>Course Code</b> OGAS-110	<b>Course Title</b> Energy Technologies for the Future	<b>ECTS Credits</b> 6
<b>Department</b> Management & MIS	<b>Semester</b> Fall / Spring	<b>Prerequisites</b> None
<b>Type of Course</b> Major Elective	<b>Field</b> Energy, Oil and Gas Management	<b>Language of Instruction</b> English
<b>Level of Course</b> Undergraduate	<b>Year of Study</b> 1 <sup>st</sup>	<b>Lecturer(s)</b> Dr Costas Konis
<b>Mode of Delivery</b> face-to-face	<b>Work Placement</b> N/A	<b>Co-requisites</b> None

## **Objectives of the Course:**

To provide the student with the knowledge and understanding of the different conventional and new energy sources available.

## **Learning Outcomes:**

On completion of this module, students are expected to:

1. Gain knowledge on the historical perspective of energy.
2. Understand the issues associated with energy production from conventional sources of energy and the ultimate desire to move toward a renewable energy economy.
3. Understand how green future technologies can solve the energy problems in the future.

## **Course Content:**

Conventional energy sources such as oil, natural gas, water power, nuclear power; new type of energy sources such as wind power, solar power, ocean power, biofuels, hydrogen energy; transporting energy; energy saving measures; future solutions to energy problems

## **Teaching Methods:**

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

**Assessment Methods:**

Assignments, mid-term exam, final exam

**Required Textbooks:**

<b>Authors</b>	<b>Title</b>	<b>Publisher</b>	<b>Year</b>	<b>ISBN</b>
Daniel B Botkin	<i>Powering the Future: A Scientist Guide to Energy Independence</i>	FT Press	2010	
	<i>Lecture Notes</i>			