



Course Syllabus

Course Code	Course Title	ECTS Credits
MGT-465	Project Management for the Energy Sector	6
Prerequisites	Department	Semester
None	Management	Fall
Type of Course	Field	Language of Instruction
Required	Hydrocarbons & Energy Management	English
Level of Course	Lecturer(s)	Year of Study
1 st Cycle	Professor Angeliki Kokkinaki	4 th
Mode of Delivery	Work Placement	Corequisites
Face to Face	N/A	None

Course Objectives:

The main objectives of the course are to:

- Promote an understanding of the key principles, concepts and strategies of project management with a particular emphasis on oil & gas companies
- Examine the broader investment and fiscal environment which influences the successful management of an energy project
- Apply project management tools and techniques to a real energy project by drawing on a variety of examples from different sectors of the energy industry

Learning Outcomes:

After and during the completion of the course students are expected to be able to:

1. Understand the common issues that arise in different projects over different energy sectors
2. Develop detailed energy project plans and schedules
3. Practice energy project management tools and techniques
4. Critically review the project life-cycle phases, processes, tools and techniques and the broader context in which energy projects take place.

5. Discuss the issues involved in the development of project planning and control activities, including anticipating and assessing environmental impacts in the earliest stages of project planning, by reference to specific examples from the energy sector industries
6. Understand how to avoid some of the common problems that arise in project management and the peculiarities of energy project management

Course Content:

The Course is delivered over 12 weeks by focusing each week on the following topics:

1. Project Management Overview
2. Requirements gathering and analysis
3. Project planning
4. Microsoft Project Software
5. Work Breakdown Structure (WBS)
6. Creating a Task List
7. Setting Up and Allocate Resources
8. Risk Assessment
9. Assigning Resources to Tasks
10. Monitoring & Controlling & Tracking Progress on Tasks
11. Project management financing in the energy sector
12. Energy Project Management Assignment and Presentation

Learning Activities and Teaching Methods:

The module is delivered in taught on-campus mode by a selection from: lectures, videos, PPT presentation, discussion, case study tutorials and directed self-study.

Assessment Methods:

Final Exam, Midterm Exam, Assignment Presentation

Required Textbooks/Readings:

Title	Author(s)	Publisher	Year	ISBN
Project Execution of Mega-Projects for the Oil and Gas Industries	Soosaiya Anthreas	CRC Press	2021	9781000361636
Project Management in the Oil & Gas Industry	El-Reedy, Mohamed A.	Wiley-Scrivener	2016	9781119083610
Sustainable Energy Management	Golusin, M, Sinisa Dodic, S., Stevan Popov, S.	Academic Press	2013	9780123914279