



Course Code OGAS-212	Course Title Petroleum Geology	ECTS Credits 6
Department School of Business	Semester Fall	Prerequisites None
Type of Course Major Elective	Field Energy, Oil and Gas Management	Language of Instruction English
Level of Course Undergraduate	Year of Study 2 nd	Lecturer(s) Toumazis Toumazi
Mode of Delivery face-to-face	Work Placement N/A	Co-requisites None

Objectives of the Course:

To consider systematically the major geological requirements for the formation and entrapment of oil and gas and have an understanding of reservoir estimation.

Learning Outcomes:

On completion of this module, students are expected to:

1. Understand the place of oil and gas in the world energy scene and to make.
2. Be familiar with the main geological factors that control the formation and entrapment of hydrocarbon.
3. Gain reasonable knowledge of the wide type of reservoirs
4. Gain knowledge on reservoir estimation

Course Content:

- 1/ Nature of Oil and Gas
- 2/ The Earth's Crust
- 3/ Common Rocks and Minerals
- 4/ Deformation of Sedimentary Rocks
- 5/ Sandstone Reservoir Stones
- 6/ Carbonate Reservoir
- 7/ Sedimentary Rocks
- 8/ Mapping
- 9/ Ocean Environment and Plate Tectonics
- 10/ Source Rocks
- 11/ Petroleum Traps

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
Horman J. Hayne	<i>Nontechnical Guide to Petroleum Geology, Exploration, Drilling and Production (3rd edition)</i>		2012	
	<i>Lecture Notes</i>			