

Project Management and Project Evaluation in the Oil and Gas Industry

Module 2, 2019/2020

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Course information

Course Website:

Instructor's Office Hours:

Class Time:

Room Number:

TAs: TBD

Course description

The course goal is to provide students with the knowledge and skills required to act as Business development or Project manager in business related functions of international Oil and Gas companies with focus on upstream segment. Following the course students should be able to:

- Organize and manage new projects
- Determine critical factors driving project success
- Provide valuation of investment projects in oil and gas industry
- Understand international specifics of oil and gas projects
- Define main aspects of new ventures governance in oil and gas industry

Course requirements, grading, and attendance policies

Prerequisite: basic knowledge of financial valuation

Attendance policy: There are 2 lectures or workshop every week. To pass the course it's necessary to participate in final and midterm workshop and attend at least 2/3 of all lectures.

Grading policy: Final grade will be compound of lectures attendance (30%), midterm workshop (20%) and course project (50%). The last two is a group assignment.

Preliminary course contents

NEW ECONOMIC SCHOOL

Masters in Economics of Energy and Natural Resources

1. Course overview and introduction
 - Project approach in oil and gas industry
 - Examples of projects in oil and gas industry and focus of the course
 - Business development vs Strategy and Operations
2. Project set up and management
 - Project initiation and planning
 - Project team roles and project governance.
 - Stakeholders management. Execution control and decision making.
3. Project management tools and
 - Critical factors for project planning and execution
 - Project timing, costs and resources control
 - Communications planning and management
 - Change and risk management
4. Business development in oil and gas industry.
 - Technical and legal characteristics of oil and gas projects
 - International specific of resources development rights acquisition.
5. Valuation of oil and gas assets and companies
 - Financial models for valuation of oil and gas assets and companies
 - Oil and gas contracts worldwide specific and difference
 - Non-financial aspects of oil and gas contracts
6. Corporate governance in oil and gas projects
 - Operational and financial issues
 - Joint ventures – main issues

Description of course methodology

The course will be based on in-class lectures mixed with individual and group assignments that should be presented on workshops.

Sample tasks for course evaluation

Individual task includes development of documents used for project management (project charter, schedule, budget, etc.)

Group task includes valuation of new investment opportunity in oil & gas industry

Course materials

Required textbooks and materials

N/A

Additional materials

[To be provided]

Academic integrity policy

Cheating, plagiarism, and any other violations of academic ethics at NES are not tolerated.