

Allegato 1 all'Avviso 375/2014

Master Petroleum Engineering and Operations A.A. 2014/2015

Energy Economics and sustainability module

Programme

Energy sources

- Availability and distribution
- Fuel cycles and energy mixes
- Energy outlooks

Security of supply: Energy corridors

- Energy and geopolitics

Energy economics: an introduction

- The oil market
- The gas market
- Energy derivatives

The sustainability concept

- Sustainability in the oil&gas sector
- Energy and sustainability metrics: LCA

Coupling economics and sustainability

- Externalities
- Environmental management

Notes

This is a tentative programme over the five days.

Exercises, both explained by the teacher and solved by the students, can be provided for virtually all of the topics.

No homework will be asked during the week.

Comprehensive references will be provided for self extra preparation. No written notes are foreseen. The updated slides shown during the lectures will be made available to the students day by day.