

▲ Who should attend?

- Recently hired professionals, preferably with an engineering background, about to take up a position in upstream petroleum activities.
- Staff from other petroleum sectors (refining, chemicals, etc.) taking up an upstream managerial position or from government agencies with responsibilities for petroleum matters will also benefit from this course.

▲ Duration

3 months

▲ Dates & Location

**January 3
to April 11, 2008**
Rueil-Malmaison

▲ Tuition Fees

€ 9950

▲ Course Coordinator

Karim Faïd

Ref. **EG/UPM**

UPSTREAM MODULE*

OBJECTIVES

To gain an understanding of the upstream petroleum sector in its technical, economic and financial dimensions (main technical mechanisms, key economic data and characteristics, management tools, etc.).

COURSE CONTENT

PRODUCTION AND RESERVOIR ENGINEERING **12 days**

This part of the course covers the basic techniques used in exploration, development and production. This will enable the participants to communicate with specialists in this field, understand and estimate the validity of the technical data on which economic analyses are based.

ENERGY GEOPOLITICS **7 days**

Energy geopolitics.
Energy issues in the context of policy.
Financial aspects of the petroleum industry.
Evolution of the oil industry.

UPSTREAM PETROLEUM ECONOMICS **5 days**

Economic aspects of oil and gas exploration-production.
Legal and fiscal aspects.
Field development case study.
Portfolio management.

CAPITAL BUDGETING METHODS **5 days**

Economic criteria: discounted cash flow, Internal Rate of Return, profitability index.
Equivalent cost and long-term marginal cost.

BUSINESS ACCOUNTING **10 days**

Principles of accounting: case of oil and gas companies.
The balance sheet and the income statement and notes.
Financial analysis.
Market value, Price Earning Ratio.
Statement of cash flow.
Introduction to cost accounting and management control.

ORGANIZATIONAL BEHAVIOUR **10 days**

Structure of organization.
Managing cultural diversities.

EFFICIENCY ANALYSIS OF INDUSTRIAL FIRMS **5 days**

Production frontier and economic performances of firms.
Deterministic, stochastic parametric and non-parametric models.

INDEPENDENT STUDY **20 days**

Personal research work.

* This module is a part of a 16-month master degree program, Petroleum Economics and Management.