



PCE183

Overview of the Petroleum Industry

Course Introduction:

Overview of the Petroleum Industry presents an overview of the Petroleum Industry from the point of view of the Asset Life Cycle. Participants will gain an understanding of Exploration, Appraisal, Development and Production phases with particular emphasis being placed on actions they can personally take within each phase to support value creation. Through use of lecture, multimedia and class interactive exercises, a breadth of upstream business acumen will be delivered covering economic, business, geoscience and engineering topics. Discussions will include topics related to all types of resource plays including deep water, shale oil/gas and enhanced oil recovery technologies.

Course Objectives:

Upon successful completion of this course, the delegates will be able to:

- ✓ The critical importance the industry plays on the world's economic stage, including discussions of pricing, global reserves and key short/long-term energy trends.
- ✓ Business and exploration elements critical to the success of organizations in search of new reserves
- ✓ Methods by which new field prospects are evaluated and risk factors assessed (Geology, Geophysics, Petrophysics)
- ✓ How exploration rights are acquired (Land themes, International Concessions)
- ✓ The basic process for drilling and evaluating an exploration well (Drilling, Petrophysics, Testing)
- ✓ Major steps required to appraise a new discovery and estimate its commerciality (Reservoir Engineering)
- ✓ Strategies to maximize the value of an oil or gas field asset
- ✓ How geology and reservoir management plans are used to guide new field development
- ✓ Major steps in the design, construction, and commissioning of facilities
- ✓ Basic technical and operational steps required to produce an oil or gas field (Production Engineering)
- ✓ Types of opportunities to optimize older fields and increase production

Who Should Attend?

This course is intended for both technical and business oriented professionals who are either new to the upstream oil and gas industry or experienced in one part, but could benefit from

a wider point of view. Overview of the Petroleum Industry will likewise deliver for non-industry personnel a broad, basic knowledge set of multiple Exploration & Production topics. Legal, Financial, Accounting, Management, and Service Company team members will certainly benefit.

Course Outline:

Day 1:

- The Business of Exploration & Production
- Hydrocarbon origin

Day 2:

- Exploration - acquisition of exploration/development rights
- Exploration - prospect generation & evaluation

Day 3:

- Appraisal - asset characterization & reserve quantification

Day 4:

- Development - drilling, completion, & facilities

Day 5:

- Produce Asset - recovery optimization strategies

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts

- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work
- Discussion
- Presentation

Course Fees:

To be advised as per course location. This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session

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