

# International Petroleum Management Course

## Venue Information

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**Venue:** London UK

**Place:**

**Start Date:** 2025-12-08

**End Date:** 2025-12-12

## Course Details

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**Net Fee:** £4750.00

**Duration:** 12 Days

**Category ID:** OAGTC

**Course Code:** OAGTC-8

## Syllabus

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### Course Syllabus

#### Objectives

- To provide delegates with the understanding, knowledge and strategies that oil & gas management must make for success. By the end of program delegates will be able to:
- Have an understanding of the ways the oil & gas and energy industries have organized to operate effectively and efficiently
- Recognize the latest Game-changing technologies – seismic, well logging, horizontal drilling, fracking, gas to liquid, etc.
- Distinguish the renewable sources of energy and the future trends in Solar, Wind, Wave, Hydro, Geothermal, Nuclear, and the methodology to compare the costs of energy of each source
- Understand the benefits of integrating refineries with petrochemicals
- Gain an understanding of the ways the oil and gas industries have organized to operate effectively and efficiently

- Introduction
- Industry overview
- Chemistry of fossil fuels
- Origins of hydrocarbon deposits
- Basic petroleum geology
- Exploration methods & activities

## **Day 2**

### **Well Evaluations & Drilling Operations & Reservoir Management**

- Types of wells
- Well Evaluations
- Drilling Operations
- Well Completions
- Oil & Gas Reserve Estimates
- Volumetric Calculations – Original Oil & Gas In-Place
- Reservoir Depletion Mechanisms
- Declining Curve Analyses
- Case Study: Oil Reserves estimation

## **Day 3**

### **Conventional & Unconventional Production**

- Unconventional oil & gas
- Shale Oil & Gas, Tight Gas, and Heavy Oil Recovery
- Oil recovery methods
- Primary, Secondary and Tertiary
- Enhanced Oil Recovery Techniques
- Reservoir Management – maximize ultimate recovery of oil

## **Day 4 -**

### **New Oil & Gas Field Development and Economic Evaluation**

- Typical Decision Yardsticks
- Petroleum Economics Analysis:
- Net Present Value
- Internal Rate of Return
- Profitability Index
- Unit Tech Cost
- Economic Limit
- Case study: Oil and gas field development economic evaluation

- Alignment of interests
- Oil & Gas Contracts
- Types of Contracts
- Concession agreements
- Production Sharing Agreement/Contract (PSA/PSC)
- Technical Service Contract/Agreement (TSA)
- Joint Venture and Service agreements

## **Day 6 -**

### **Petroleum Fiscal Regimes**

- Comparison of fiscal regimes
- Auction theory and methods
- Similarities among fiscal systems
- Accounting aspects of fiscal systems
- Division of revenues and profits
- Concession
- Concession rentals
- Unitisation agreements
- Royalties
- Profit tax
- Corporate tax
- Ring fencing
- State participation
- Signature bonus
- Production bonus
- Bidding for leases

## **Day 7 -**

### **The chemistry of petroleum and the refining processes**

- Crude and Product Quality
- Crude oil refining operations
- Crude Oil Fractions
- Crude Oil Refinery Products & Processes
- Refinery configurations – separation, conversion and treatment
- Refining Complexity
- Pipelines
- Storage
- Treatment & Blending
- Utilities

## **Day 8 -**

### **Refining Economics – environmental aspects**

- Freight
- Netback and Refining Margin
- Vessel chartering
- Environmental aspects
- Case Study: Netback pricing calculation

## **Day 9 -**

### **Oil & Gas Exports and Imports Business**

- Organization of Petroleum Exporting Companies (OPEC)
- Other international and multi-national organizations
- International Energy Agency (IEA)
- Oil Markets – Crude pricing regimes
- Transportation Logistics – Pipelines, Terminals and Storage
- Crude Oil Tankers
- World's Major Pipelines
- World's Major Terminals, Refineries
- Transportation Logistics – Losses
- Bottle necks and Chokepoints

## **Day 10 -**

### **Pricing, Trading, Markets, Risk Management**

- Crude oil Benchmarks
- Crude price assessment
- Oil Trading
- Total Barrel Economics
- Oil Markets – Futures
- Exposure – Price
- Hedging – risk management
- Pricing Management Considerations
- Derivatives
- Course Summary