



London TDM

# Oil and Gas Industry Training Courses

**Course Venue:** United Arab Emirates - Dubai

**Course Date:** From 26 October 2025 To 30 October 2025

**Course Place:** Downtown Dubai

**Course Fees:** 5,000 USD

## Introduction

The "Petroleum Economics and Risk Analysis" course is designed to provide participants with a comprehensive understanding of the economic principles and risk assessment techniques applicable to the petroleum industry. This five-day program covers everything from basic economic frameworks to advanced risk analysis, equipping professionals with the tools and knowledge necessary to excel in decision-making processes within the sector.

## Objectives

- Understand the fundamental concepts of petroleum economics.
- Analyze the financial feasibility and economic viability of petroleum projects.
- Assess and manage risks in the petroleum industry.
- Develop strategies for effective economic decision-making.
- Communicate economic and risk analysis findings effectively.

## Course Outlines

### Day 1: Introduction to Petroleum Economics

- Overview of the global oil and gas industry
- Basic economic principles and concepts
- Supply and demand dynamics
- Price formation and market structures
- The role of technology and innovation in economics

### Day 2: Economic Evaluation of Petroleum Projects

- Cash flow analysis and financial metrics
- Capital budgeting techniques
- Cost estimation and control
- Economic indicators: NPV, IRR, and profitability index
- Case studies on project evaluation

### Day 3: Risk Analysis in the Petroleum Sector

- Types of risks in the oil and gas industry
- Risk identification and assessment techniques
- Quantitative and qualitative risk analysis
- Risk management frameworks
- Scenario planning and sensitivity analysis

### Day 4: Advanced Economic and Risk Analysis Techniques

- Monte Carlo simulation for risk assessment
- Real options analysis in project evaluation
- Portfolio management and diversification strategies
- Evolving market dynamics and geopolitical influences
- Digital tools and software for economic analysis

## **Day 5: Strategic Decision-Making and Communication**

- Integrating economics and risk analysis in decision-making
- Strategic planning and competitive positioning
- Communicating analysis to stakeholders
- Negotiation and influence in economic contexts
- Group project and presentation