

Oil and Gas Production Management: Systems and Optimization

COURSE OVERVIEW

This course provides an overview of the key processes and technologies involved in maximizing hydrocarbon production. It covers well production measurement, artificial lift methods, production facility operations, and strategies to improve efficiency, reduce downtime, and manage declining production. Participants will learn how to establish and maintain optimal production rates while managing reservoir pressure and fluid flow. Emphasis is placed on data analysis, equipment monitoring, and decision-making tools to optimize production and ensure sustainable reservoir management.

WHO SHOULD ATTEND?

The course is designed for professionals in the oil and gas sector, including production engineers, reservoir engineers, field operators, project managers, asset managers, and technical consultants who are involved in production planning, optimization, and operations. It is also suitable for professionals transitioning into oil and gas production roles, as well as policymakers, regulators, and service providers seeking to gain deeper insights into production system management and optimization practices.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Analyze and manage integrated oil and gas production systems from reservoir to processing facilities.
- Apply optimization techniques to enhance production efficiency, reduce costs, and maximize asset value.
- Utilize digital tools and data-driven approaches for monitoring and improving production performance.
- Evaluate sustainability and safety considerations in production system design and operation.
- Develop strategies for managing challenges in mature fields, unconventional resources, and evolving energy markets.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Comprehensive coverage of production systems and optimization frameworks.
- Practical case studies and real-world applications from global oil and gas operations.
- Emphasis on digital transformation, automation, and predictive analytics in production management.
- Focus on operational efficiency, asset integrity, and sustainability.
- Designed and delivered by industry experts with extensive field experience.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded