



Oilfield Analysis



INTERNATIONAL ASSOCIATION FOR
HEALTH AND OCCUPATIONAL
SAFETY AND THE ENVIRONMENT



Project
Management
Institute

EFQM
Member



Course Introduction:

This course is designed to provide participants with a comprehensive understanding of the principles and practices involved in analyzing oilfield performance. By exploring various analytical methods and data interpretation techniques, participants will learn how to make informed decisions that enhance productivity and efficiency in oilfield operations.

Throughout the course, attendees will delve into key topics such as reservoir characterization, production data analysis, and the evaluation of well performance. The training will cover the importance of integrating geological, geophysical, and engineering data to develop effective field development strategies. By examining real-world case studies and industry best practices, participants will gain valuable insights into the challenges and opportunities in oilfield analysis, equipping them with the knowledge to contribute to successful oilfield management.

Course Objectives:

By the end of the program, participants will be able to:

- Understand the fundamental concepts and importance of oilfield analysis.
- Learn about reservoir characterization techniques and their applications.
- Explore production data analysis methods for evaluating well performance.
- Analyze the integration of geological, geophysical, and engineering data.
- Familiarize participants with industry best practices and case studies in oilfield analysis.

Who Should Attend?

This course is intended for Engineers and geoscientists in the oil and gas industry, Production and reservoir engineers, Data analysts and performance evaluators and Project managers.

Course Outline:

Day 1: Introduction to Oilfield Analysis

- Overview of oilfield analysis and its significance in the oil and gas industry
- Key definitions and concepts in oilfield analysis
- Introduction to the methodologies used in oilfield performance evaluation

Day 2: Reservoir Characterization

- Understanding reservoir properties and characteristics
- Techniques for reservoir modeling and characterization
- Case studies of successful reservoir characterization projects

Day 3: Production Data Analysis

- Overview of production data types and sources
- Analyzing well performance and production trends
- Methods for forecasting production and assessing recovery potential

Day 4: Integration of Geological and Engineering Data

- The role of geological and geophysical data in oilfield analysis
- Techniques for integrating multidisciplinary data for field development
- Case studies illustrating effective data integration practices

Day 5: Industry Best Practices and Future Trends

- Review of industry best practices in oilfield analysis
- Emerging technologies and trends in oilfield performance evaluation
- Challenges and opportunities in the future of oilfield analysis

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

Course Fees:

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

Course Certificate:

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

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