

INTEGRATED FIELD DEVELOPMENT PLANNING

COURSE OUTLINE 2025

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TRAINING TITLE

INTEGRATED FIELD DEVELOPMENT PLANNING

<u>VENUE</u>

DUBAI, UAE

DURATION

5 Days

<u>DATES</u>

22-26 December 2025

PRICE

\$5,500 per attendee including training material/handouts, morning/afternoon coffee breaks, and Lunch.

TRAINING INTRODUCTION

This 5-day course is designed to provide professionals with a comprehensive understanding of the principles and processes involved in integrated field development planning (FDP) for the oil and gas industry. The course covers the key steps of field development, from geological and geophysical data analysis to reservoir engineering, production optimization, and economic evaluation. Participants will learn how to develop robust, integrated strategies that optimize field performance, reduce risks, and maximize returns on investment. The course emphasizes collaboration across multiple disciplines, including geology, reservoir engineering, drilling, production, and economics.

TRAINING OBJECTIVES

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

- Understand the components and steps of an integrated field development plan.
- Analyze geological, geophysical, and reservoir data for effective planning.
- Develop field development strategies that optimize reservoir performance.
- Incorporate economic analysis and risk management into the planning process.

• Collaborate across disciplines to develop a comprehensive FDP that supports business objectives.

TRAINING AUDIENCE

- Reservoir engineers and geologists
- Field development and operations managers
- Production engineers and planners
- Project managers and engineers involved in field development
- Economists and financial analysts in the oil and gas industry
- Decision-makers and stakeholders involved in the planning and development of oil and gas fields

TRAINING OUTLINE

Day 1: Introduction to Integrated Field Development Planning

- Overview of field development planning (FDP) and its importance
- Key objectives and outcomes of an effective FDP
- Roles and responsibilities of teams involved in FDP
- The interdisciplinary approach: integrating geology, reservoir engineering, and production
- Stages of FDP: exploration, appraisal, development, and production

Day 2: Geological and Geophysical Data Analysis

- Importance of geological and geophysical data in field development
- Data acquisition: seismic surveys, well logs, and core data
- Integrating geological and geophysical data for reservoir modeling
- Identifying reservoir properties and their impact on field development
- Building geological models for field development

Day 3: Reservoir Engineering and Simulation

- Principles of reservoir engineering in field development
- Reservoir characterization and simulation techniques
- Understanding reservoir performance and dynamics
- Well testing, modeling, and forecasting

• Optimizing recovery factors and designing reservoir management strategies

Day 4: Production Optimization and Drilling Considerations

- Designing efficient well architectures and completions
- Production forecasting and optimization techniques
- Artificial lift systems and their role in field development
- Drilling strategies and the impact on field development
- Managing production from multiple wells and optimizing field performance

Day 5: Economic Evaluation, Risk Management, and Final FDP Integration

- Economic evaluation techniques: NPV, IRR, and sensitivity analysis
- Incorporating cost estimates, schedules, and resource allocation into FDP
- Risk assessment and management strategies for field development
- Developing an integrated FDP that combines geological, engineering, and economic factors
- Presenting and defending the FDP to stakeholders

TRAINING CERTIFICATE

MAESTRO CONSULTANTS Certificate of Completion for delegates who attend and complete the training course.

METHODOLOGY

Our courses are highly interactive, typically taking a case study approach that we have found to be an effective method of fostering discussions and transferring knowledge. Participants will learn by active participation during the program through the use of individual exercises, questionnaires, team exercises, training videos and discussions of "real life" issues in their organizations. The material has been designed to enable delegates to apply all of the material with immediate effect back in the workplace.