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INTEGRATED FIELD DEVELOPMENT PLANNING

Start Date:	16/11/2025	**End Date:**	20/11/2025
Categories:	Oil & Gas	**Venues:**	Dubai
Formats:	In Person	**Instructors:**	

OVERVIEW

This course provides participants with a structured approach to integrated field development planning (IFDP) in the oil and gas industry. It focuses on multidisciplinary collaboration among geoscientists, reservoir engineers, drilling, production, and facilities teams to optimize hydrocarbon recovery, enhance project economics, and ensure sustainable resource management from exploration to production.

OBJECTIVES

By the end of this course, participants will be able to: – Understand the principles and key stages of integrated field development planning. – Collaborate effectively across disciplines to create cohesive development strategies. – Evaluate technical, economic, and operational drivers influencing field development decisions. – Apply reservoir modeling, drilling, production, and facilities planning into a unified development plan. – Optimize resource recovery, project feasibility, and economic returns through integrated workflows.

COURSE OUTLINE

1- Fundamentals of Integrated Field Development Planning 2- Multidisciplinary Collaboration: Reservoir, Drilling, Production, and Facilities Integration 3- Reservoir Modeling, Production Forecasting, and Economic Evaluation 4- Concept Selection, Risk Management, and Project Optimization 5- Case Studies: Lessons Learned from Successful and Challenging Field Developments

TARGET AUDIENCE

Reservoir Engineers, Petroleum Engineers, Geoscientists, Drilling Engineers, Production Engineers, Project Managers, Development Planning Specialists, and professionals involved in field planning, asset management, and project development within the oil and gas industry.

METHODOLOGY

The course combines technical lectures, collaborative group workshops, real-world case studies, field planning simulations, project team exercises, and interactive discussions to reinforce the integrated approach.

CONCLUSION

Upon completing the course, participants will possess the practical skills and multidisciplinary understanding necessary to develop and implement integrated field development plans that maximize hydrocarbon recovery, enhance project economics, and align with long-term business and environmental goals.

DAILY AGENDA

Day 1: Introduction to Integrated Field Development Planning

Explore the fundamentals of IFDP, its objectives, benefits, and the critical importance of early-stage planning.

Day 2: Multidisciplinary Integration Across Reservoir, Drilling, Production, and Facilities

Learn how cross-functional collaboration shapes effective field development plans and supports resource optimization.

Day 3: Reservoir Modeling, Production Forecasting, and Economic Assessment

Develop reservoir models, generate production forecasts, and perform preliminary economic evaluations for field development scenarios.

Day 4: Concept Selection, Risk Management, and Field Development Optimization

Evaluate alternative development concepts, identify project risks, and apply optimization techniques to improve field development outcomes.

Day 5: Field Development Planning in Practice: Case Studies and Simulations

Analyze real-world IFDP case studies, participate in integrated planning exercises, and apply learning to simulated field development challenges.

For more information, please contact us:
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