PetroSkills

Overview of Offshore Systems - OS-21

COURSE

About the Course

This five-day course will accelerate the learning and productivity of individuals with little to no experience working in the offshore oil and gas industry. The course provides an overview of field development concepts and explains how offshore structures and facilities function as integrated systems. The content includes the full range of water depths from shallow water to ultra-deepwater. All major components required for offshore developments such as fixed and floating platforms, drilling and workover rigs, pipelines, risers, process and utilities and construction equipment are discussed. The importance of life-cycle considerations during development planning is emphasized. Individual and group exercises, including a case study, are used throughout the course. The course instructors are experienced offshore managers.

"It was a great course! The instructor broke down complicated concepts into very understandable terminology." - Attorney Advisor, United States

"Good introduction to offshore systems. I enjoyed the course, and the course will be beneficial to me in the future." - Reservoir Engineer, United States

Target Audience

Technical staff, business professionals, technicians, analysts and other non-technical staff who are involved but have limited experience, or will be involved, with offshore oil and gas facilities. The course provides a basic understanding of offshore systems in all water depths, from shallow to ultra-deepwater, including design, construction, and operations.

You Will Learn

Participants will learn how to:

- Identify the key steps in the development of offshore fields from discovery through decommissioning
- Understand the field architecture building blocks to define a workable field development
- Recognize key stakeholder issues
- Recognize offshore production facilities and structures, fixed and floating.
- Understand the impact of the ocean environment on facilities design and operations
- Identify major design, construction, and operational issues and interfaces of offshore systems
- Recognize important forces on offshore structures and their influence on design and cost
- Appreciate the basic processes and equipment involved in the topsides design and operation

- Understand fluid transportation options and equipment
- Recognize the marine equipment used in the construction of offshore facilities
- Understand basic issues in life-cycle and decommissioning decisions
- Appreciate advances in offshore technology

Course Content

- Field development concepts, fixed and floating
- Subsea systems
- Wells, construction and servicing
- Topsides facilities; processing; utilities
- Oil and gas transportation systems, design and installation
- Production operations
- Offshore construction; equipment
- Fabrication; transportation; integration; installation project management
- Life-cycle considerations, including decommissioning

Product Details

Categories: Upstream

Disciplines: Offshore & Subsea

Levels: Basic

Product Type: Course

Formats Available: In-Classroom Virtual

Instructors: Chris Spraggon Andrea Mangiavacchi Kent Saugier PetroSkills Specialist

In-Classroom Format

22 Jul '24 26 Jul '24 - | Course | In-Classroom (in Houston) $4,610.00

Virtual Format

15 Jul '24 26 Jul '24 - | Course | Virtual (Houston UTC) $3,970.00

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18 Nov '24 29 Nov '24 - | Course | Virtual (Singapore UTC) $3,970.00
