Training Course on Offshore Oil and Gas Development Projects, Concepts, and Facilities

Professional Development Training Course Outline

Category	Oil and Gas	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The offshore oil and gas industry remains a cornerstone of global energy production, with cutting-edge technologies and sustainable practices driving its evolution. Training Course on Offshore Oil and Gas Development Projects, Concepts, and Facilities is designed to provide a deep dive into the development, design, and operational management of offshore facilities, from conceptual planning to decommissioning. Participants will gain critical knowledge of offshore platforms, subsea systems, project management, HSE standards, and risk mitigation, all within the context of today’s dynamic energy sector.

Whether you're entering the industry or seeking to enhance your technical and managerial skills, this course delivers the strategic insights and technical competencies needed to excel in offshore energy projects. It integrates real-world case studies, current trends, and global regulatory frameworks to ensure learners stay ahead in this fast-paced industry. Designed by experts with decades of experience, this course is essential for professionals seeking to advance in the oil and gas project lifecycle from exploration to production.

Programme Curriculum

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Course Objectives

1. Understand offshore oil and gas project lifecycles and development phases.
2. Identify key types of offshore facilities including fixed platforms and FPSOs.
3. Analyze subsea production systems and their integration into field development.
4. Evaluate concept selection and feasibility studies for offshore projects.
5. Master offshore project planning and execution strategies.
6. Understand marine logistics and offshore construction techniques.
7. Apply health, safety, and environmental (HSE) standards effectively.
8. Learn best practices for asset integrity and maintenance.
9. Explore flow assurance, pipelines, and export systems.
10. Examine decommissioning and environmental impact considerations.
11. Utilize project economics and cost estimation tools.
12. Gain insight into digital transformation and remote monitoring in offshore operations.
13. Apply risk analysis and regulatory compliance for global projects.

Target Audience

1. Offshore Project Engineers
2. Facility Design Specialists
3. Marine and Subsea Engineers
4. HSE Managers
5. Petroleum and Energy Professionals
6. Oil & Gas Consultants
7. Government and Regulatory Officials
8. Graduate Engineers entering the Offshore Sector

Course Duration: 5 days

Course Modules

Module 1: Introduction to Offshore Oil & Gas Projects

- History and future of offshore development
- Key players in offshore energy

- Types of offshore fields
- Lifecycle overview: from exploration to decommissioning
- Emerging trends and technologies

Module 2: Offshore Facility Types & Concepts

- Fixed platforms, TLPs, and SPARs
- Floating production systems (FPSOs)
- Mobile offshore drilling units (MODUs)
- Subsea tiebacks and satellite fields
- Conceptual facility design considerations

Module 3: Subsea Systems & Production Technology

- Subsea wells and completions
- Umbilicals, risers, and flowlines (URFs)
- Subsea processing and boosting
- Flow assurance and hydrate management
- Subsea control systems

Module 4: Offshore Project Planning & Execution

- Project chartering and feasibility
- Front-End Engineering Design (FEED)
- Procurement and contracting
- Construction and commissioning
- Project lifecycle risk management

Module 5: HSE, Compliance & Environmental Protection

- Offshore HSE management systems
- Environmental regulations and ESG goals
- Emergency response planning
- Hazard identification and risk analysis (HAZID/HAZOP)
- Occupational health in offshore environments

Module 6: Marine & Subsea Construction

- Heavy lift operations
- Subsea installation methodologies
- Diving and ROV operations
- Mooring and station keeping
- Marine vessel coordination

Module 7: Operations, Maintenance & Integrity

- Operations readiness and assurance
- Integrity management systems
- Corrosion and structural monitoring

- Inspection, repair, and maintenance (IRM)
- Reliability-centered maintenance (RCM)

Module 8: Decommissioning & Future Outlook

- Decommissioning regulations and planning
- Plugging and abandonment (P&A) operations
- Reuse and repurposing of offshore assets
- Environmental remediation
- Future of offshore energy and renewables

Training Methodology

- Live virtual sessions
- Case studies
- Interactive Q&A
- Real-life scenarios
- Visual simulations
- Downloadable toolkits to ensure maximum engagement and retention

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com