

Oil Spill Control

Course Outline:

Module 1- Introduction to Oil Spill Hazards and Prevention

- Types and sources of oil spills (offshore, onshore, transportation, storage facilities)
- Physical and chemical properties of oil and petroleum products
- Environmental and economic impacts of oil spills
- Prevention strategies and industry best practices
- International conventions, laws, and regulatory frameworks (MARPOL, OPRC, local laws)

Module 2 - Oil Spill Risk Assessment and Preparedness

- Identifying high-risk areas and operations
- Oil spill contingency planning
- Response team roles and responsibilities
- Equipment readiness and maintenance
- Emergency communication protocols and reporting procedures

Module 3 - Spill Containment and Recovery Techniques

- Containment booms: types, selection, and deployment
- Skimmers: mechanical, weir, oleophilic, and vacuum systems
- Sorbents and absorbent materials: usage and disposal
- Shoreline protection and cleanup strategies
- Safe handling of hazardous materials during spill response

Module 4 – Oil Spill Response Operations

- Incident Command System (ICS) for oil spill response
- Step-by-step response procedures from detection to clean-up
- Coordination with local authorities, coast guard, and environmental agencies
- Use of dispersants: effectiveness, application, and environmental considerations
- Case studies of major oil spill incidents and lessons learned

Module 5 – Post-Spill Recovery and Environmental Restoration

- Waste management and disposal of recovered oil
- Environmental monitoring and remediation techniques
- Long-term ecological recovery plans
- Documentation, reporting, and claims process
- Continuous improvement: drills, training, and audits

Location	Dubai – Shangri-la Hotel - Dubai
Start Date	30 Nov 2025
End Date	04 Dec 2025