

ONE DAY COURSE – FUNDAMENTALS OF SUBSEA OIL & GAS PRODUCTION

09.00 Welcome to the Course

09.15 - INTRODUCTION TO SUBSEA OIL & GAS PRODUCTION

Introduction to Oil and Gas
The Subsea Environment
Types of Subsea Production System
Controlling Production
Safety, Reliability and Environmental Issues
Offshore Risk Management

10.30 Break

10.45 - SUBSEA SYSTEMS AND FLOW ASSURANCE

Oil and Gas Reservoirs and Compositions
Flow Assurance Issues
Chemical Injection
Production Issues (Topsides Processing) and Marketing Activities

11.45 - SUBSEA ENGINEERING COMPONENTS

Wellhead and Trees
Manifolds
Flowlines and Pipelines
Risers
Subsea Control System
What they are and how they work as a System
Examples

12.30 Lunch

13.15 - SUBSEA ENGINEERING COMPONENTS - Continued

14.00 - SUBSEA ENGINEERING INTERFACES (Technical)

Drilling & Completions
Topsides Processing

14.45 Break

15.00 - PRINCIPLES OF SUBSEA CONSTRUCTION

Introduction to Marine Drilling
Installation of SPS equipment (Trees, Manifolds and Subsea Controls)
Installation of URF equipment (Flowlines/Pipelines, Risers and Umbilicals)
Examples

16.00 - SUBSEA IMR & WELL INTERVENTION

Diver and ROV Activities
Subsea Well Intervention Systems
Light and Heavy Well Workovers
Vessels Used
Examples

16.45 Q & As and Course Review followed by
Close and Presentation of Certificates of Attendance