

# Technical Oil & Gas Training

Online Courses  
2019



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Courses are designed to meet core skills gaps.

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# Introduction

Course Name	Course Description	Learning Outcomes
<b>Introduction to Geology</b> 3 hours	This module provides learners with a substantial introduction to Geology in the oil & gas industry. The module explores the key concepts of both Geology and Petroleum Geology.	<ul style="list-style-type: none"><li>• Rock types and origin</li><li>• The rock cycle</li><li>• The main fault types and their relationship with plate tectonics</li><li>• Why time is important in Geology</li><li>• The five elements of Petroleum Geology</li></ul>
<b>Introduction to Drilling</b> 3 hours	This Introduction to Drilling module provides learners with an overview of the theory, tools and techniques used to drill for oil & gas around the world.	<ul style="list-style-type: none"><li>• Introduction to Well Construction methods</li><li>• Concepts behind Rotary Drilling</li><li>• Applications and features of drilling rigs</li><li>• Overview of Rig Systems</li><li>• The main features of a rig Circulating System</li><li>• Introduction to the Drillstring</li></ul>
<b>Introduction to Production</b> 3 hours	This module introduces the key concepts of hydrocarbon production, from what is being produced, where it comes from and how it is handled.	<ul style="list-style-type: none"><li>• Oil and gas process facilities</li><li>• Plant commissioning and handover</li><li>• Production operations and maintenance</li><li>• Field optimisation</li><li>• Decommissioning</li></ul>



Course Name	Course Description	Learning Outcomes
<b>Geophysics</b> 3 hours	In this module we explore the methods used to study the earth, with emphasis on the most widely used in the oil and gas industry such as seismic surveying. Learners will be given the fundamental knowledge needed to understand and engage with Geophysical concepts.	<ul style="list-style-type: none"> <li>• Principles of geophysical methods</li> <li>• Impact of method on survey design</li> <li>• Geophysical data processing</li> <li>• Interpretation of geophysical data</li> <li>• Geophysical data acquisition in the oil and gas industry</li> </ul>
<b>Petrophysics</b> 3 hours	Whereas Geophysics looks at the larger geological structures, Petrophysics concerns the physical properties of the reservoir rock and fluid. This module explores petrophysical properties, logging and interpretation.	<ul style="list-style-type: none"> <li>• Petrophysics and our understanding of the subsurface</li> <li>• The main petrophysical reservoir properties</li> <li>• Wireline logging tools</li> <li>• Petrophysical interpretation of logs</li> <li>• Shaly sands</li> </ul>
<b>Reservoir Engineering</b> 3 hours	The objective of Reservoir Engineering is to optimise future production at the field design stage. In this module learners will explore how Reservoir Engineering is applied in the oil & gas sector, from modelling to recovery.	<ul style="list-style-type: none"> <li>• Key reservoir properties and classification</li> <li>• Reservoir fluids and fundamental properties</li> <li>• Reservoir lifecycle and recovery process</li> <li>• Reservoir simulation and modelling</li> <li>• Classification of reserves</li> </ul>
<b>Geomechanics</b> 3 hours	Geomechanics is the study of how rock behaves during the course of a well's life. This module provides an understanding of the fundamentals of Geomechanics from earth stress to pore pressure.	<ul style="list-style-type: none"> <li>• How log data is used in strength modelling</li> <li>• The value of core</li> <li>• Building a stress model</li> <li>• Stress orientation</li> <li>• Pore pressure estimation</li> </ul>



# Well Planning

Course Name	Course Description	Learning Outcomes
<b>Offset Review and Conceptual Design</b> 1 hour	This module provides learners with knowledge of the Offset Well Review and Conceptual Well Design steps that are critical to all exploration, appraisal and field development operations.	<ul style="list-style-type: none"> <li>• Importance of Data Gathering and Offset Review</li> <li>• Overview of Conceptual Well Design</li> <li>• The use of pore pressure, fracture gradient and kick tolerance</li> </ul>
<b>Time and Cost Estimation</b> 1 hour	This module will give learners a grasp of the main features of well time and cost estimation, including their importance in well planning.	<ul style="list-style-type: none"> <li>• Key factors affecting well timings</li> <li>• Tangible and intangible costs associated with well operations</li> <li>• Understand systems for managing well costs</li> </ul>
<b>Material Procurement</b> 1 hour	In this module Material Procurement is explored, giving learners an understanding of the tendering process and how materials and services are selected.	<ul style="list-style-type: none"> <li>• Understands the tendering process</li> <li>• The key information needed to procure well materials and services</li> <li>• What the key materials and services are</li> </ul>
<b>Detailed Drilling Programmes</b> 1 hour	This module provides learners with an understanding of the Detailed Drilling Programme, why this is important and what goes into its preparation.	<ul style="list-style-type: none"> <li>• The purpose and role of the Detailed Drilling Programme</li> <li>• Understand the content and composition – what is included, and why</li> </ul>



# Well Engineering

Course Name	Course Description	Learning Outcomes
<b>Shallow Gas</b> 1 hour	Shallow gas can pose a high risk to oil & gas operations. In this module learners will understand the key features, risks and mitigations of shallow gas.	<ul style="list-style-type: none"> <li>• Understand what shallow gas is and the risks it poses</li> <li>• Understand how a well can be designed to mitigate the risks</li> <li>• What procedures are used when drilling into a potential shallow gas zone</li> </ul>
<b>Pore Pressure</b> 1 hour	In this module the fundamental aspects of Pore Pressure are discussed, giving learners an understanding of the various pressure states and how these are predicted.	<ul style="list-style-type: none"> <li>• Understand the concepts of normal, abnormal and subnormal pressures</li> <li>• The processes which cause abnormal pore pressures</li> <li>• Overview of how pore pressures are predicted before and during drilling</li> </ul>
<b>Fracture Gradient</b> 1 hour	Fracture gradient is a key concept in well design and operations, throughout the life of a well. This module provides learners with this essential core knowledge.	<ul style="list-style-type: none"> <li>• Understand the definition and concepts of fracture pressure</li> <li>• Learn how fracture gradient affects the well design</li> <li>• Understand how fracture gradient can be measured</li> </ul>
<b>Hydrostatics</b> 1 hour	This module aims to give learners a grounding in Hydrostatics and the importance of this concept in all oil & gas operations.	<ul style="list-style-type: none"> <li>• Learn how hydrostatic pressures are calculated;</li> <li>• Understand how and where pressure losses occur in the circulating system;</li> <li>• Understand drilling hydraulics and why they are important;</li> <li>• Discover the effects of equivalent circulating density and how it is calculated.</li> </ul>



# Well Engineering

Course Name	Course Description	Learning Outcomes
<b>Formation Fluids</b> 1 hour	In this module learners will explore how Formation Fluids are formed, how they accumulate and how they affect well design and operations.	<ul style="list-style-type: none"> <li>• The main types of formation fluid and how they form</li> <li>• Discover the fundamentals of Phase behaviour</li> <li>• Understand how formation fluids impact drilling operations</li> </ul>
<b>Formation Temperature Analysis</b> 40 minutes	Formation temperatures change the way wells are designed, how equipment and fluids interact and the efficiency of operations. This module provides the fundamental core knowledge needed by upstream teams.	<ul style="list-style-type: none"> <li>• What is Geothermal Gradient and how is it used</li> <li>• Understand static and dynamic temperature profiles</li> <li>• Learn about the impact of temperature on well design and material selection</li> </ul>
<b>Drilling Fluids</b> 3 hours	Drilling fluid is needed to successfully drill, test, complete and produce a well. In this module learners will be given the knowledge needed to understand the core principals of drilling fluids in modern oil & gas.	<ul style="list-style-type: none"> <li>• The main types of Drilling Fluid and their properties</li> <li>• Drilling Fluid field tests</li> <li>• Solids Control and the Circulating System</li> <li>• Pressure losses and ECD</li> </ul>
<b>Drillstring Design</b> 2.5 hours	The drillstring is the central component of the drilling process. In this module the concept of the drillstring is explored, discussing the equipment, design and limitations of modern well design.	<ul style="list-style-type: none"> <li>• Understand the main components of the drillstring</li> <li>• Explore the physical capabilities and limits of drill pipe and other components</li> <li>• Overview of drill bits, how they work and key features</li> </ul>
<b>Casing Seat Selection</b> 1 hour	In this module learners will explore how casing setting depths are accurately planned, engineered and selected. The factors that affect casing seat selection and the role that kick tolerance plays.	<ul style="list-style-type: none"> <li>• Determine casing setting depths using a formation pressure prognosis</li> <li>• Understand the concept of kick tolerance and how it can influence casing setting depth</li> </ul>



# Well Engineering

Course Name	Course Description	Learning Outcomes
<b>Casing and Tubing Design</b> 3 hours	Casing design is fundamental to all oil & gas wells. In this module learners will explore the key concepts of the design process from load cases to wear and fatigue.	<ul style="list-style-type: none"> <li>• Discover the different types of casing and tubing and their purpose</li> <li>• Overview of the properties and features of casing and tubing</li> <li>• Understand the fundamental casing design load cases</li> <li>• Learn about corrosion, wear and fatigue</li> </ul>
<b>Wellhead and Xmas Tree Selection</b> 1 hour	In this module the features, limitations and design of modern wellheads and xmas trees are introduced including the differences between surface and subsea, and how they are selected.	<ul style="list-style-type: none"> <li>• Surface and subsea wellheads</li> <li>• The function of xmas trees and the key components</li> <li>• Wellhead and xmas tree selection</li> </ul>
<b>Conductor and Riser Analysis</b> 1 hour	In harsh conditions and deepwater environments, conductor and riser analysis is a critical process. In this module learners will discover the fundamentals of conductor and riser analysis, including the types of system and key components.	<ul style="list-style-type: none"> <li>• The principals of conductor setting and analysis</li> <li>• Types of riser and riser analysis</li> </ul>
<b>Cement Design</b> 1.5 hours	Cement is an important tool in well construction. Our cement design module provides learners with a grounding in the main concepts of cement properties, additives, equipment, design and evaluation.	<ul style="list-style-type: none"> <li>• Understand the main properties of cement and cement additives;</li> <li>• Learn about the various items of cement equipment commonly used;</li> <li>• Learn how cement is placed – understand the terms primary and secondary cementation, as well as cement evaluation.</li> </ul>



# Well Engineering

Course Name	Course Description	Learning Outcomes
<b>Material Selection</b> 1 hour	Material selection in oil & gas is a critical process. Downhole environments can be hostile and the equipment and materials used over the course of a well must be carefully designed. In this module learners will be given an understanding of this process and how it affects casing and drillstring design.	<ul style="list-style-type: none"> <li>• Casing and Tubing material selection</li> <li>• Materials selection for Wellhead, Xmas Tree, Drilling equipment</li> <li>• How Corrosion affects the selection process</li> </ul>
<b>Directional Drilling</b> 1 hour	Directional drilling has allowed new wells to be drilled, and new reservoirs explored. In this module we explore the evolution of directional drilling and what tools and techniques are used today.	<ul style="list-style-type: none"> <li>• History and Applications of Directional Drilling</li> <li>• The importance of Wellbore Positioning</li> <li>• Modern Directional Drilling techniques</li> </ul>
<b>Geomechanics and Wellbore Stability</b> 3 hours	This module explores the applications of geomechanics to a wide range of critical areas such as pore pressure, wellbore stability, sand failure analysis and compaction.	<ul style="list-style-type: none"> <li>• Why geomechanics is important to field development</li> <li>• How pore pressure is estimated and calibrated</li> <li>• What controls the risk of sand failure</li> <li>• Compaction, subsidence, cap rock integrity and fault reactivation</li> <li>• Introduction to sand control</li> </ul>
<b>Well Test Planning</b> 2 hours	Well Testing is an essential process in the evaluation of a potential reservoir. In this module we explore the fundamental concepts of well testing, how they are designed, planned and performed.	<ul style="list-style-type: none"> <li>• The types of well test and why they are performed</li> <li>• Well test planning and equipment selection</li> <li>• How well tests are performed, how the reservoir is accessed and how data is collected</li> </ul>



# Well Engineering

Course Name	Course Description	Learning Outcomes
<b>Completion Design</b> 3 hours	Completions are essential in the production of oil & gas. In this module learners will gain an understanding of what is required during the design and operational phases of a well completion.	<ul style="list-style-type: none"><li>• How well types influence Completions</li><li>• Completion design requirements</li><li>• Tubing string design and stress analysis</li><li>• Completion equipment selection</li></ul>
<b>Abandonment and Barriers</b> 1 hour	Well abandonment and well barriers are key to ensuring well integrity. In this module we discuss the purpose and goals of the suspension and abandonment process and the various requirements of competent well barriers.	<ul style="list-style-type: none"><li>• Understand the purpose and goals of suspension and abandonment</li><li>• Competent Well Barriers and core requirements, verification and practices.</li></ul>



# Drilling & Completions

Course Name	Course Description	Learning Outcomes
<b>Drilling Procedures</b> 2 hours	Drilling is a complex process that requires significant planning, design and expert execution. In this module learners will explore common drilling procedures and how they are applied to specific operations.	<ul style="list-style-type: none"> <li>• Common drilling procedures for each phase of a well</li> <li>• Understand best practice during tripping operations</li> <li>• Prevention and response tactics to common drilling problems</li> <li>• Fishing and milling operations</li> </ul>
<b>Drilling Operations</b> 3 hours	Successful drilling operations are the focus of Operators and Service Companies alike. In this module learners will explore the key aspects of drilling operations, common problems and how to address them.	<ul style="list-style-type: none"> <li>• Understand the roles and responsibilities of wellsite personnel</li> <li>• Gain an understanding of the critical elements of each operation</li> <li>• Learn how common hole problems can be handled</li> </ul>
<b>Formation Evaluation</b> 3 hours	Well logging is an essential part of the data gathering process. In this module we explore the planning and management of open-hole logging, logging tools and logging operations.	<ul style="list-style-type: none"> <li>• Methods of log data acquisition</li> <li>• Planning and management of logging operations</li> <li>• Measurement and control</li> </ul>
<b>Well Testing and Completions</b> 2.5 hours	In this module we discuss the fundamental aspects of well testing and completion operations including methods, equipment and operations.	<ul style="list-style-type: none"> <li>• Well testing operations and objectives</li> <li>• Completion installation operations</li> <li>• Well workovers</li> </ul>
<b>Drilling and Rig Equipment</b> 2 hours	A wide range of equipment is used during drilling. In this module learners will gain an understanding in the critical pieces of rig and third party equipment used during drilling operations.	<ul style="list-style-type: none"> <li>• Understand the main items of equipment on the drilling rig</li> <li>• Explore common third party equipment</li> </ul>



# Drilling & Completions

Course Name	Course Description	Learning Outcomes
<b>Well Control Equipment</b> 2 hours	Well control equipment is essential to the mitigation of risk and safe handling of well control incidents. This module provides learners with an understanding of well control equipment and how they are operated.	<ul style="list-style-type: none"> <li>• Understand the main components and operations of a BOP</li> <li>• The diverter system and how it operates</li> <li>• The surface equipment used for kick detection and mud gas separation</li> <li>• Awareness of drillstring well control equipment</li> </ul>
<b>Well Control Procedures</b> 1 hour	Competent procedures are essential in tackling well control incidents. In this module we explore what leads to a loss of well control, how this is detected and ultimately controlled.	<ul style="list-style-type: none"> <li>• Causes of kicks and kick avoidance</li> <li>• Kick detection and response</li> <li>• Shut in procedures and principal well control techniques</li> </ul>
<b>Land Rigs</b> 1.5 hours	Land rigs are portable onshore drilling rigs used to explore for, appraise and develop hydrocarbon assets. This module explores the types of land rig and the best practice for common operations.	<ul style="list-style-type: none"> <li>• The main types of land rig</li> <li>• Common best practice operations</li> </ul>
<b>Jack-up Rigs</b> 1.5 hours	Jack-ups are versatile and commonly used offshore rigs. In this module learners will gain an understanding in jack-up construction, key systems, design and operations.	<ul style="list-style-type: none"> <li>• Understand the design principles and considerations behind a Jack-up rig</li> <li>• Equipment and components unique to Jack-ups</li> <li>• The design, operations and operational risks common to Jack-ups</li> </ul>
<b>Moored Rigs</b> 1 hour	Mooring is a critical operation for many rigs and vessels. In this module we explore how mooring works, the main equipment, planning and operational requirements.	<ul style="list-style-type: none"> <li>• Understand how a moored rig holds its position</li> <li>• Learn about the components of the mooring system and how anchors are placed</li> <li>• Understand the significance of site surveys and seabed analysis</li> </ul>



# Drilling & Completions

Course Name	Course Description	Learning Outcomes
<b>Dynamically Positioned Rigs</b> 1 hour	Many modern rigs utilise dynamic positioning systems. In this module we explore the differences between DP and Moored vessels, how a DP system works and the key operations.	<ul style="list-style-type: none"> <li>• Understand the advantages and disadvantages of DP rigs</li> <li>• Learn about the technology and various components behind a DP system</li> <li>• Understand the concepts behind watch circles and drift/drive offs</li> </ul>
<b>Project Logistics</b> 2 hours	Logistics is a fundamental part of every oil & gas project. It involves the complex process of planning for, shipping and ensuring delivery of equipment, machinery, chemicals, bulk products, material and personnel. In this module learners will understand the roles, responsibilities and operations involved in upstream project logistics.	<ul style="list-style-type: none"> <li>• Understands the roles and responsibilities involved in project logistics and the operational supply chain</li> <li>• Knowledge of the common operations of the upstream logistics supply chain</li> </ul>
<b>Waste Management</b> 1 hour	Upstream operations generate waste. This module explores the various elements that might be considered waste, how they are dealt with both onshore and offshore, and the importance of appropriate planning.	<ul style="list-style-type: none"> <li>• The main categories of waste generated onshore and offshore</li> <li>• The process of drilling fluids solids removal and the equipment involved</li> <li>• Overview of cuttings disposal and waste management planning</li> </ul>
<b>Emergency Planning, Safety and the Environment</b> 1.5 hours	There are a range of high risk activities undertaken during upstream operations. This module deals with the emergency response planning and procedures that should be in place for upstream operations.	<ul style="list-style-type: none"> <li>• Major hazards and mitigation</li> <li>• Oil spill planning and response</li> <li>• A 'post Macondo' industry</li> </ul>



# Drilling & Completions

Course Name	Course Description	Learning Outcomes
<b>Risk Management</b> 1 hour	Drilling operations involve risk. However, a well managed operation mitigates against these risks such that they do not negatively impact the ongoing work. This module explores the process of identifying, assessing and managing those risks.	<ul style="list-style-type: none"> <li>• Understand hazards and the three main types of risk in oil and gas operations</li> <li>• Learn how risks are identified, classified and assessed using the formal Risk Assessment process</li> <li>• Learn about the tools used to mitigate against risks</li> </ul>
<b>Management of Change</b> 40 minutes	Managing change is critical to successful operations. In this module learners will be introduced to the common types of risk and the process of change management in oil and gas.	<ul style="list-style-type: none"> <li>• Understand how risk and change is assessed</li> <li>• Learn how to understand, define and document a change</li> </ul>
<b>Well Examination and Verification</b> 40 minutes	Well examination and verification are critical tools used to ensure safe and competent well design and operations. This module provides an introduction to the examination and verification process.	<ul style="list-style-type: none"> <li>• Understand the well examination and verification process</li> </ul>
<b>Project Close-out</b> 40 minutes	This module will explore the activities commonly undertaken once a drilling operation has been completed in order to close-out the project.	<ul style="list-style-type: none"> <li>• Understand common project close-out protocol</li> <li>• Understand the details of physical, administrative and contractual project close-out processes</li> </ul>
<b>Well Integrity Management</b> 3 hours	This module will provide students with an understanding of the key elements of well integrity, why well integrity is important and the techniques used to ensure wells remain safe throughout their life cycle.	<ul style="list-style-type: none"> <li>• Understand what well integrity is</li> <li>• Become familiar with well integrity concepts</li> <li>• Understand the importance of well integrity throughout the lifecycle of a well</li> </ul>



# Specialised Applications

Course Name	Course Description	Learning Outcomes
<b>Unconventional Gas</b> 2 hours	Natural gas will play a large role in our energy future. In this module we explore the role of unconventional gas reserves in this landscape and how technology and design are being used to mitigate against environmental impacts.	<ul style="list-style-type: none"> <li>• The role of unconventional gas</li> <li>• Technology and design</li> <li>• Shale gas</li> <li>• Coal-bed methane</li> </ul>
<b>Unconventional Oil</b> 2 hours	In this module learners will explore the different types of unconventional oil, the technology solutions and both the design and environmental challenges faced.	<ul style="list-style-type: none"> <li>• The role of unconventional oil</li> <li>• Technology and design</li> <li>• Shale oil</li> <li>• Oil sands</li> <li>• Heavy oil</li> <li>• Gas to liquids</li> </ul>
<b>Arctic Drilling</b> 2 hours	With significant reserves of oil and gas held beneath Arctic waters it is hard to ignore the potential of the region. However unique design, technology and environmental challenges must be overcome. This module will provide learners with a core understanding of the main issues facing Arctic operations.	<ul style="list-style-type: none"> <li>• Drilling in the Arctic</li> <li>• Technical and design challenges</li> <li>• Oil and gas transportation challenges</li> <li>• CSR and the environment</li> </ul>
<b>Deepwater</b> 3 hours	Deepwater operations are some of the most challenging in our industry. This module provides an understanding of the key concepts, technology, challenges and operations of deepwater projects worldwide.	<ul style="list-style-type: none"> <li>• Why deepwater is needed</li> <li>• Deepwater technology and equipment</li> <li>• Deepwater well design and operations</li> </ul>



# Specialised Applications

Course Name	Course Description	Learning Outcomes
<b>Extended Reach Drilling</b> 2 hours	Extended reach drilling methods are being increasingly used to access remote reservoirs and maximise productivity. In this module we will discover the design and operational challenges faced when carrying out these projects.	<ul style="list-style-type: none"><li>• The need for Extended Reach</li><li>• Design challenges</li><li>• Technology and equipment</li><li>• ERD Operations</li></ul>
<b>HPHT</b> 2 hours	HPHT wells are some of the most challenging ever drilled. In this module learners will explore the unique nature of HPHT wells, what makes a well HPHT and that affects well design and operations.	<ul style="list-style-type: none"><li>• How HPHT wells differ from conventional wells</li><li>• HPHT well design and equipment selection</li><li>• HPHT drilling procedures</li></ul>



Course Name	Course Description	Learning Outcomes
<p><b>Well Control – 10 modules</b> 20 hours</p>	<p>This 10 module course will provide advanced learners with in-depth knowledge of well control concepts, practices and equipment.</p>	<ul style="list-style-type: none"> <li>• Causes and Prevention of Kicks</li> <li>• Kick Detection</li> <li>• Shut-in Methods</li> <li>• Well Control Methods</li> <li>• Well Control Equipment</li> <li>• Kick Tolerance</li> <li>• Shallow Gas</li> <li>• Deepwater Well Control</li> <li>• Common Well Control Problems</li> <li>• Tertiary Control</li> </ul>
<p><b>Deepwater – 6 modules</b> 12 hours</p>	<p>This 6 module advanced course provides an in-depth knowledge of the unique aspects of Deepwater equipment, engineering and operations.</p>	<ul style="list-style-type: none"> <li>• Deepwater Geology</li> <li>• Deepwater Equipment</li> <li>• Deepwater Operations</li> <li>• Well Engineering</li> <li>• Deepwater Well Control</li> <li>• Deepwater Hazards</li> </ul>



Course Name	Course Description	Learning Outcomes
<b>Field Development Planning</b> 3 hours	In this module we explore the key aspects of Field Development Planning for both onshore and offshore environments. The data that is required, how that is analysed and ultimately how a Field Development Plan is prepared.	<ul style="list-style-type: none"> <li>• Reservoir modelling</li> <li>• Candidate well and optimisation</li> <li>• Facilities selection</li> <li>• Risk management</li> <li>• Field development stages</li> <li>• Field development examples</li> </ul>
<b>Production Engineering</b> 3 hours	Production Engineering concerns the optimisation of existing production and extension of well life. In this module we explore how production technology, chemistry and operations combine to impact well performance.	<ul style="list-style-type: none"> <li>• Production technology</li> <li>• Production chemistry</li> <li>• Production operations</li> <li>• Reservoir recovery</li> <li>• Surface processing</li> </ul>
<b>Production Equipment</b> 3 hours	In this module we explore the key equipment and systems needed to undertake production operations. From onshore systems to deepwater subsea and from gas to oil, this module provides learners with knowledge they need to understand the production process.	<ul style="list-style-type: none"> <li>• Oil production equipment</li> <li>• Gas gathering equipment</li> <li>• Surface Equipment and Systems</li> <li>• Subsea Equipment and Systems</li> </ul>
<b>Production Operations</b> 3 hours	Production operations are essential to ensure the efficient and ongoing recovery of oil, gas and condensate from reservoirs around the world. In this module learners will explore the main operations required to keep wells producing.	<ul style="list-style-type: none"> <li>• Oil production operations</li> <li>• Gas production operations</li> <li>• Sand production</li> <li>• Artificial lift and EOR</li> <li>• Workover operations</li> <li>• Corrosion management</li> </ul>
<b>Processing &amp; Refining</b> 3 hours	Petroleum refining and processing transforms the oil and gas produced from a well into useful products such as LPG, diesel and jet fuel. In this module we explore the different stages of processing, facilities design and new technologies being utilised to drive efficiency and produce better products.	<ul style="list-style-type: none"> <li>• The processing process</li> <li>• Petroleum products</li> <li>• Facilities design and optimisation</li> <li>• Transportation and storage</li> <li>• New technologies</li> </ul>



Discuss your training  
requirements with us

**info@norwelledge.com**

**+44 (0) 1224 498400**

78 Queen's Road  
Aberdeen  
AB15 4YE

**norwelledge.com**

