

# Exploration and Production



ENERGY FUTURE

Through this course, split into six accessible, bite-sized lessons, learners will gain a high-level view of the geology of oil and gas, and technical steps involved in the exploration and production of oil and gas, from identifying potential drilling sites and conducting seismic surveys to drilling and production operations. The course also introduces learners to economics and business risks and opportunities through the upstream value chain.

## Who is this course for?

Graduates with engineering or science degrees joining the industry who require competence in subjects outside their area of expertise; professionals in back-office functions, such as procurement, HR, finance, operations and logistics.



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## By taking this course, you will learn to:

- Recognise the term sedimentary basin and identify key rock types
- Identify key features of oil and natural gas reservoirs
- Recognise the conditions under which oil and natural gas form
- Recognise techniques and data for identifying potentially hydrocarbons-bearing rocks
- Define the main steps involved in drilling wells
- Define the basics of casing, cementing and well construction
- Recognize key concepts in production of unconventional oil and natural gas
- Recognise key economics factors in conventional and unconventional oil and natural gas E&P
- Identify the principal designs of offshore platform, and how and when they are used
- Acquire key concepts in offshore exploration
- Acquire key subsea production concepts
- Define the basics of well completion
- Become familiar with primary recovery and artificial-lift techniques
- Recognise key secondary and tertiary recovery techniques
- Recognize complications that may arise in some wells and how they may be anticipated

### • Course requirements

There are no pre-requisites for this course.

### • Advance preparation

None.

### • Delivery method

QAS-SS

### • Field of study

Specialized Knowledge and Applications

### • Program level

Overview

### • Course code

EP

### • Course length

1 hour 45 minutes

### • CPE Credits

2.0 self-study CPE credits are awarded for this course

### • Course registration

To register, contact [london@energy-future.com](mailto:london@energy-future.com)  
Or call: +44(0)2076362007

### • Refund policy

You may cancel your order within seven days as long as you have not launched a course. You can send us a cancellation notice by sending an email to [admin@energy-future.com](mailto:admin@energy-future.com). As long as you have complied with your obligations under this clause, we will refund the purchase price to you by crediting the payment card you used to purchase the services.

### • Complaints

Energy Future will make every effort to resolve complaints quickly and confidentially. A formal complaint must be submitted in writing to [admin@energy-future.com](mailto:admin@energy-future.com), setting out the facts and the remedy sought. Energy Future undertakes to respond to complaints within three working days. Complaints may be discussed with the Energy Future team by calling +44 (0)20 7636 2007.