

# Introduction to Exploration & Production

## Designed for:

This course is designed for industry professionals who wish to be better informed about basic Exploration & Production methods, concepts and technology. It is also intended for others not directly working in oil and gas companies but who are providing related support services.

## Duration (days)

1 2 3

## Learning Level:

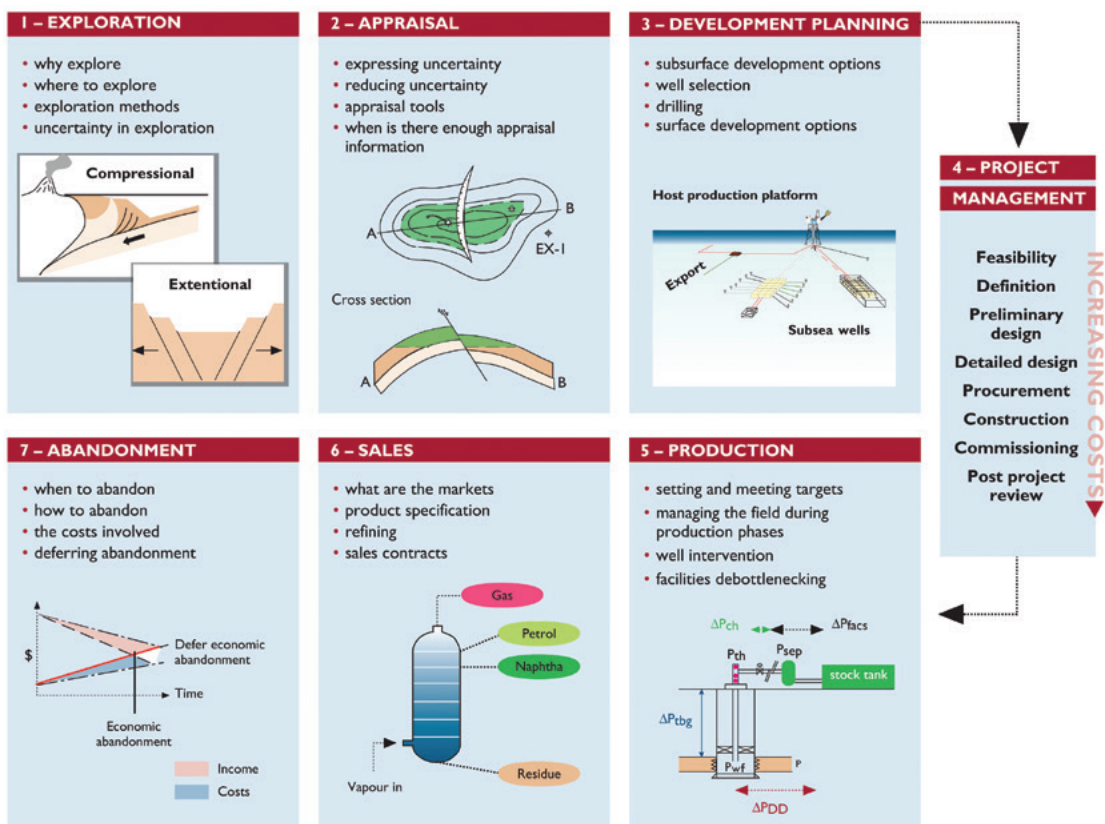
Skills ☐ ☐ ☐  
Knowledge ☐ ☐ ☐  
Awareness ☐ ☐ ☐

The objective of this course is to provide a comprehensive introduction to the upstream industry.

Introduction to Exploration & Production takes you through all of the major stages in the life of an oil or gas field from exploration, through appraisal, development planning, production to decommissioning.

This course intends to help the student to understand the major technical and business considerations that make up each part of the life of a typical oil or gas field, and to demonstrate the link between the many disciplines involved.

Subjects are always introduced by pointing out the commercial application of the subject in order to clarify its relevance to the overall business.



## Introduction to Exploration & Production continued

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### Course Content:

Topics discussed:

- The field life cycle
- Exploration
- Drilling engineering
- Safety and the environment
- Reservoir description
- Data interpretation
- Volumetric estimation
- Field appraisal
- Reservoir dynamic behaviour
- Well dynamic behaviour
- Surface facilities
- Production operations and maintenance
- Project and contract management
- Petroleum economics
- Managing the producing field
- Managing decline
- Decommissioning

### Course Duration:

Duration is 3 days.

### Courses available from this series:

E&P Overview  
Introduction to Exploration and Production  
E&P for Technical Support Staff  
Development and Production for Commercial Staff  
Prospect and Development Engineering (offshore and land versions)  
Field Development Planning  
Mature Field Management  
The Energy Transition – Key Components

### Course Tutors



**Mark Bramwell** BSc, PhD

**Main Series tutoring:** Reservoir, Early Development, E&P Overview, Open Air

**Industry experience:** over 25 years, geoscience

**Career background:** Shell, KUFPEC, AGR and TRACS

**Personal:** Programme manager for Early Development Series



**John Fowler** MSc, BSc (Hons)

**Main Series tutoring:** Early Development, E&P Overview

**Industry experience:** over 30 years, geoscience and management

**Career background:** Shell, Maersk Oil and Gas UK, AGR and TRACS

**Personal:** Strategic advice and support on equity determination, business planning