

Prospect and Development Engineering (offshore and land versions)

Designed for:

The course is designed to give participants an appreciation of the evaluation and planning activities associated with taking an asset from pre-discovery to sanction.

Duration (days)

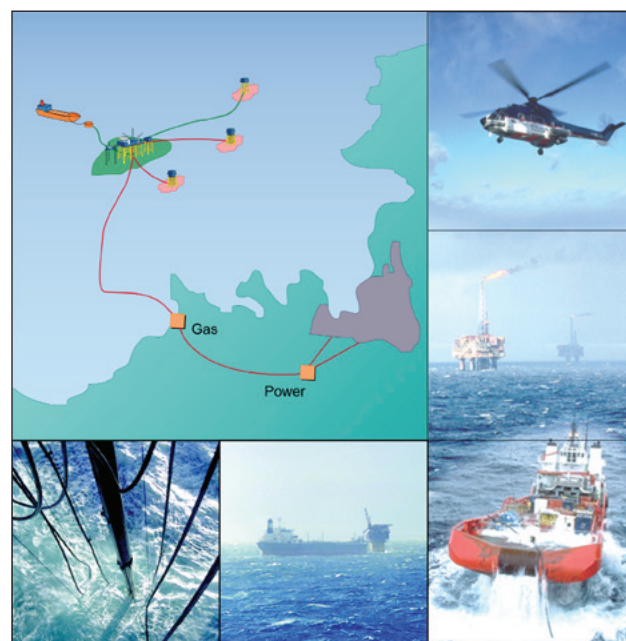


Learning Level:

Skills	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Knowledge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Awareness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The course is ideally designed for mixed subsurface / surface groups, allowing cross discipline issues to be explored. Participants are split into groups and need at least one PC per group. The trainer supplies the participants with production forecasting and economic modelling spreadsheets which can be run on Excel.

The course is aimed at both subsurface and surface specialists and is often run 'on request', by business units in anticipation of, for example, a bidding round. The course is also run by companies having to process more and more (smaller and smaller) opportunities just to stay in the same place in production terms. Companies can't continue to use a traditional 'cover all bases' approach to prospect appraisal and field development planning - there simply isn't the time - PACE is becoming a key component of delivery. The risk is that projects get rushed and really key issues get insufficient attention. PDE therefore illustrates an approach that facilitates PACE without compromising ASSURANCE (no project wrecks).



Early Development
E&P Overview
Reservoir
Wells

Business & Risk
Open Air
Coaching
Master Class



Prospect and Development Engineering (offshore and land versions) continued

Course Content:

Day one addresses subsurface issues, day two topsides, and the first two days are primarily pitched at cross discipline awareness with the main focus being on how we quantify, manage and mitigate risk and uncertainty so as to deliver assured projects (avoidance of 'wrecks').

The main syndicate exercise (day three) is a gas and oil case study sized to be appropriate for current 'typical' projects and is set in a 500m water tie-back. The participants mature it from discovery to sanction and have to accommodate appraisal data and uncertainty into their plans as information is fed to them throughout the day.

The syndicate groups present their project proposals to 'the board' for approval on the morning of day four.

Course Duration:

Duration is 4 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 Graham BSc, CEng, MEI

Main Series tutoring: Master Class

Industry experience: over 30 years, petroleum engineering and economics

Career background: Schlumberger, Shell, AGR and TRACS

Personal: Author, 'Hydrocarbon Exploration and Production', Member of Energy Institute



Mark Cook BSc, MBA

Main Series tutoring: Early Development, Business & Risk, Reservoir Engineering

Industry experience: 40 years, reservoir engineering, economics and risk analysis

Career background: Shell, TRACS (Director) and AGR (VP)

Personal: Author, 'Hydrocarbon Exploration and Production' (Elsevier 2008), 'Petroleum Economics and Risk Analysis' (Elsevier 2021), SPE distinguished lecturer on Risk Analysis