

Graduate Foundation Training

Designed for:

This programme is designed for graduates entering into the exploration and production business. The programmes can be tailored to a broad range of backgrounds including engineering, geoscience, commercial, legal, HR and other non-technical support functions.

Duration (weeks)

1 2 3
flexible

Learning Level:

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

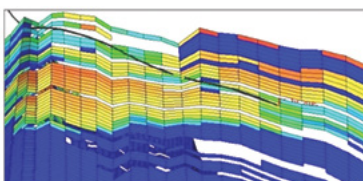
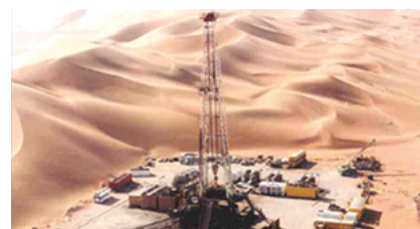
The programme revolves around three aspects of working in an E&P company: technical awareness, commercial awareness and interpersonal skills.

The thread through the programme is the field lifecycle: the major stages in the life of an oil or gas field from exploration, through appraisal, development planning, production and finally to decommissioning.

The objective of this course is to provide a comprehensive introduction to the upstream industry while also emphasising the importance of teamwork, inter-disciplinary communication, and an understanding of what the business needs of the company are.

Case study material is used to reinforce the importance of technical, commercial and interpersonal skills, and the participants spend approximately 50% of the time working together in teams, mentored by the course instructors.

The programme is supported by the book "Hydrocarbon Exploration and Production", written by TRACS International, first published in 1998 by Elsevier, and updated in full in 2008. This book will be given as part of the course to all participants.



Early Development Business & Risk
E&P Overview Open Air
Reservoir Coaching
Wells Master Class



Graduate Foundation Training continued

Course Content:

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

Technical topics worked on include:

- the field life cycle
- exploration
- drilling engineering
- safety and the environment
- reservoir description
- 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 1 - 3 weeks depending on whether it involves one or two trainers and whether field days are included.

Courses available from this series:

Graduate Foundation Training
Subsurface Technical Fundamentals
Production and Operations Training

Course Tutors



Mark Bramwell BSc, PhD

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

Industry experience: over 35 years, geoscience

Career background: Shell, KUFPEC, AGR and TRACS

Personal: Programme manager for the Early Development Series



Mark Bentley PhD

Main Series tutoring: Reservoir, E&P Overview, Open Air and Master Class

Industry experience: over 30 years, geoscience

Career background: Shell, AGR and TRACS

Personal: Author 'Reservoir Model Design', SPE and EAGE distinguished lecturer, AGR (Training Director), TRACS Training Director, Associate Professor Heriot-Watt University