

Programme Content

This programme is designed for graduates entering into the exploration and production business. They may come from all backgrounds including engineering, geosciences, commercial, legal, HR, and other support functions.

The programme revolves around three aspects of working in an E&P company:

- Technical awareness
- Commercial awareness
- 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.

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

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