

Introduction to Hydrocarbon Exploration & Appraisal

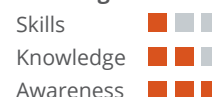
Designed for:

Early to mid-career cross-discipline professionals (Geoscientists, Petrophysicists, Reservoir Engineers, Petroleum Engineers, Production Technologists, Drilling Engineers, and Economists) who are looking to understand relevant concepts or further develop their exploration and appraisal skills.

Duration (days)



Learning Level:

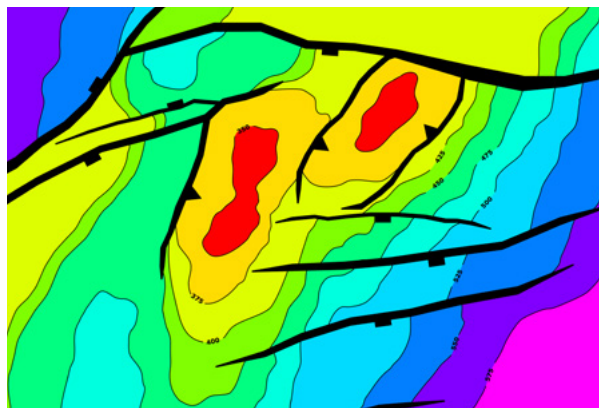
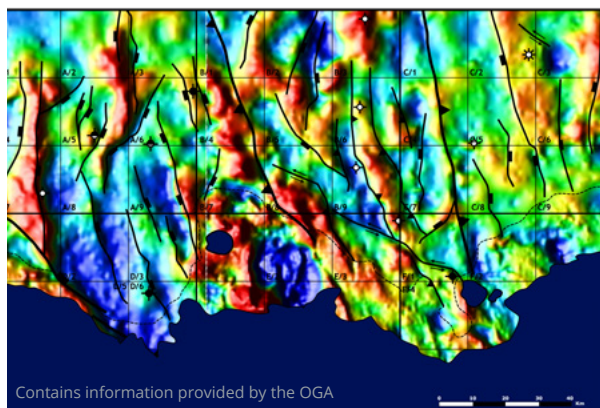
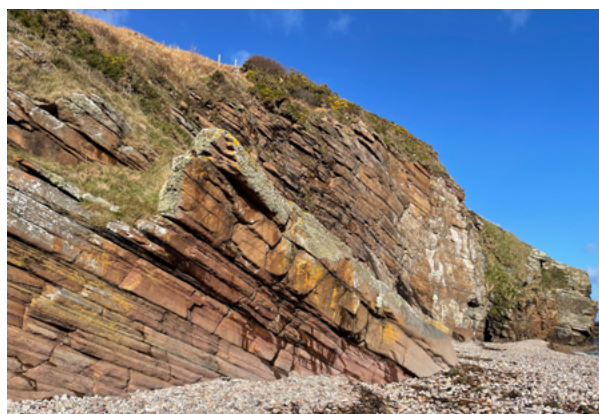


Petroleum Systems, Exploration & Appraisal

The course will be delivered through a series of lectures and hands-on team-based exercises where the course participants will be guided through the Hydrocarbon Exploration and Appraisal (E&A) workflow, from basin entry through to handing a discovery over for Field Development and Sanction.

The primary focus of the course will be the Subsurface aspects of the workflow although the multi-disciplinary integrated aspects of the workflow will also be described.

The course is typically classroom based although, after discussions with interested clients, the course can be tailored to have open-air components in select localities e.g., Scotland, England, Wales, South Africa.



Early Development
E&P Overview
Reservoir
Wells

Business & Risk
Open Air
Coaching
Master Class



Introduction to Hydrocarbon Exploration & Appraisal continued

Course Content:

A typical schedule would compromise

Day 1

- Exploration & Appraisal Context in the Energy Transition
- Exploration & Appraisal Methods
- Gaining Access to Acreage
- Regional Studies

Day 2

- Play Fairway Analysis
- Lead Identification & Prioritisation
- Risk & Uncertainty
- Prospect Mapping

Day 3

- Prospect Volumetrics
- Prospect Valuation
- Wildcat Drilling

Day 4

- Portfolio Management
- Discovery Volumetrics & Valuation
- Critical Appraisal Data Acquisition
- VOI

Day 5

- Appraisal Drilling
- Field Development Planning
- Gaining Approvals



Course Duration:

This course is typically delivered over 5 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

Introduction to

Hydrocarbon Exploration & Appraisal

Play Fairway Analysis

Course Tutors



Steve Adams BSc, MSc, MBA

Main Series tutoring: Open Air

Industry experience: over 35 years, geoscience

Career background: BP, Lasmco, CNR, Murphy, TRACS, Sasol

Personal: Author, geoscience, exploration, development advisor, Honorary Research Fellow – University of Aberdeen