The course provides an overview of the oil and gas exploration and production industry from a historical, current and future perspective for both non-technical and technical staff. The principles of exploration, development and production will be covered and complemented by what is happening in the industry and what the future holds. The full lifecycle of exploration to product delivery will be covered.

The course is designed for
Professionals who need to learn about the industry
Personnel within the industry
Technical support staff entering the industry
Technical staff who want to expand their understanding of the industry

What you will leave with
- Comprehensive understanding of the oil and gas lifecycle
- The significance of the oil and gas industry
- How oil and gas is created
- History of the oil and gas industry
- How reservoirs are created
- How oil and gas accumulate
- Understanding of oil and gas exploration
- Understanding of field appraisal, development and production
- What happens to the oil and gas once it is produced
- Unconventional oil and gas
Course overview

**The role of oil and gas in society**
- The nature of oil and gas
- Uses for oil and gas

**Petroleum geology**
- Geological time
- Rock types
- Sedimentary basins
- Plate tectonics
- Source rocks
- Reservoirs
- Traps and seals

**History of oil and gas**
- Pre-history
- 1800s to the great wars
- Post war to present

**Exploration**
- Seismic
- Field evaluation
- Field appraisal

**Drilling**
- Drilling basics
- Casing and completing a well
- Sampling and testing

**Field development and production**
- Field development planning
- Lifecycle costing
- Development drilling
- Facilities and production
- Abandonment

**The big picture**
- Upstream
- Midstream
- Downstream

**Health, Safety and Environment**
- Health Safety and Environmental considerations

**Alternatives**
- Shale gas
- Coal Bed Methane (CBM)

**The Future**
- Where will we find oil and gas in the future
- Technology

Course instructor

Anastasis Kokkinos has 30 years experience in the oil and gas industry with a focus on full field development and lifecycle costing. His experience covers offshore and onshore, conventional and unconventional developments. He has worked closely with subsurface/reservoir teams and senior management to ensure integrated field development plans. He also has expert knowledge of IHS/CERAs QUE$TOR field development and costing software, running training programs on behalf of IHS/CERA.

A selection of other courses available

- **Field Development Planning**
- **Upstream Lifecycle Cost Estimating**
- **Oil and Gas Facilities Fundamentals**
- **Offshore Oil and Gas Facilities Fundamentals**
- **FPSO Fundamentals**
- **Subsea Facilities Fundamentals**
- **QUE$TOR Oil and Gas Cost Analysis**
- **Strategic Management**
- **Petroleum Economics and Risk Analysis**
- **Project Management**
- **Bespoke courses available upon request**

For more information:
training@esandaengineering.com
www.esandaengineering.com

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Upstream oil & gas training specialists