



aeon *X*

Specialist Knowledge | Extraordinary Results

Training Overview

2023

AeonX E&P Learning

AeonX technical staff and global partners are seasoned E&P professionals with extensive international experience. We enjoy sharing our technical expertise and practical knowledge of the E&P industry with colleagues while ensuring high standards and quality of technical work. This makes us excellent teaching experts with a goal to always provide value.

We provide technical training and competency development in various disciplines within the oil and gas industry with more focus on practice alongside the theory. Our training course courses include a wide range of subsurface and surface engineering courses which cover drilling and completions, reservoir engineering, production technology, reservoir and production management, PVT analyses, Petrophysics, Geology and geophysics, Production operations, Planning and scheduling, Petroleum economics, Green and Brown field development, Management, Operation and leadership courses etc.

Our courses range from standard five-day courses for fundamentals up to advanced and mastery level courses such as 6-week "Field development planning" course aimed at EP staff with several years of experience.

In house competencies can also be enhanced through structured internal training courses and cross functional workshops suited to your company using experienced facilitators. We review each organisation's competency development goals and focus areas and develop bespoke courses to improve capabilities.

Our training courses and workshops are provided over **5 days** unless indicated and can be delivered locally or internationally - UK, USA, UAE, Spain, Netherlands, Italy, France, Singapore, Thailand etc.

Training Course Overview

BUSINESS MANAGEMENT COURSES

1 GENERAL

- 1.1 Introduction to the E&P Business
- 1.2 Introduction to Reservoir Management for non-technical personnel
- 1.3 Contracts and Project Risks Management

2 LEADERSHIP AND MANAGEMENT COURSES

- 2.1 Masterclass in Hydrocarbon Maturation
- 2.2 Masterclass in Petroleum Economics and Management
- 2.3 Masterclass in Oil and Gas Business Development, Investment Strategy, Acquisitions and Divestments
- 2.4 Masterclass in Petroleum Project Planning, Performance Monitoring and Management
- 2.5 Masterclass in Oil and Gas Fields Unitization
- 2.6 Masterclass in OPEX Optimisation and Cost Efficiency
- 2.7 Master class in Project Financing and Investment Strategy in Oil and Gas Industry
- 2.8 Masterclass in Availability and Reliability
- 2.9 Essential Leadership Skills for Oil and Gas Managers
- 2.10 Masterclass in Opportunity Framing and Concept Identification
- 2.11 Evaluating and Managing Project Risks in Oil and Gas Industry

3 BUSINESS MANAGEMENT

- 3.1 Principles of Business
- 3.2 Strategic Marketing
- 3.3 Business Planning and Strategy Implementation
- 3.4 People Management and Leadership
- 3.5 Operations and Project Management Principles
- 3.6 Introduction to Contract Law

- 3.7 Management of Change
- 3.8 Oil and Gas Contracts and Commercial Structures
- 3.9 Oil and Gas Finance and Accounting
- 3.10 People Management and Leadership
- 3.11 Managing Customer and Stakeholder Relations
- 3.12 Business Negotiation Skills
- 3.13 Operations and Technology Management
- 3.14 Principles of Risk Management in Business
- 3.15 Strategic Marketing
- 3.16 Business Planning and Strategy Implementation
- 3.17 Strategic Innovation Management

4 RISK AND ANALYTICS MANAGEMENT

- 4.1 Certified in Quantitative Risk Management Package (CQRM)
- 4.2 Masterclass in the Fundamentals of Risk Management
- 4.3 Fundamentals of Project Risk Management - FPRM
- 4.4 Fundamentals of Enterprise Risk Management - FERM
- 4.5 Fundamentals of Quantitative Risk Management - FQEM
- 4.7 Fundamentals of Real Options Valuations - FROV
- 4.8 Project Economics Analysis and Investments - PEAI
- 4.9 Certification in Quantitative Risk Management
- 4.10 Certification in Quantitative Research Methods

SUBSURFACE COURSES

1 GENERAL

- 1.1 Basic Petroleum Geology
- 1.2 Basic Petroleum Engineering
- 1.3 Introduction to Renewable Energy Systems
- 1.4 Integrated Field Development Planning

2 EXPLORATION

- 2.1 Depositional Systems and Reservoir Distribution
- 2.2 Prospect Evaluations, Risk and Volumes
- 2.3 Play-Based Exploration
- 2.4 Fundamentals of Hydrocarbon Exploration
- 2.5 Petroleum Systems Analysis and Modelling
- 2.6 Exploration Geoscience for non geologists
- 2.7 Exploration in Carbonate Reservoirs and Targets in Mediterranean Basin

3 LABORATORY

- 3.1 Fundamentals of PVT Analysis
- 3.2 Fundamentals of Routine Core Analysis (RCA)
- 3.3 Fundamentals of Special Core Analysis (SCAL)
- 3.4 NMR Training Course

4 GEOLOGY

- 4.1 Geological Core Evaluation
- 4.2 Sediment Petrography and Reservoir Quality Evaluation
- 4.3 Niche Skills: Short Courses on XRD and SEM
- 4.4 Structural Geology and Geomechanics
- 4.5 Development Geology
- 4.6 Operations Geology
- 4.7 Clastic Reservoir Characterisation
- 4.8 Carbonate reservoir Characterisation
- 4.9 Sedimentology and Depositional Environments of Deep-water Deposits
- 4.10 Petroleum Geochemistry
- 4.11 Faults, Fractures, and Seals in Petroleum Reservoirs
- 4.12 Subsurface Mapping
- 4.13 Clastic Sequence Stratigraphy and Sedimentation
- 4.14 Applied Geostatistics
- 4.15 Wellsite Geology & Operations
- 4.16 Basics of Borehole Image Interpretations
- 4.17 Structural Interpretation of Seismic Data in Fold and Thrust Belts

5 GEOLOGICAL FIELD TRIPS

- 5.1 Turbidite Field Course, SE Spain
- 5.2 Ardennes Field Trip
- 5.3 Utah – Book Cliffs: Development Geology Field Seminar
- 5.4 Carbonates Field Course, Italy

6 GEOPHYSICS

- 6.1 Basic Geophysics
- 6.2 Seismic Interpretation Fundamentals
- 6.3 Advanced Seismic Interpretation
- 6.4 Seismic Sequence Stratigraphy
- 6.5 Advanced Seismic Data Acquisition and Processing
- 6.6 Quantitative Reservoir Characterisation
- 6.7 Quantitative Seismic Interpretation
- 6.8 Non-Seismic Data Acquisition and Processing
- 6.9 Basic Geophysical Data Acquisition and Processing
- 6.10 Seismic Data Interpretation and Modelling of Fractured Reservoirs

7 PETROPHYSICS

- 7.1 Applied Petrophysics (basic)
- 7.2 Applied Petrophysics (advanced)

8 RESERVOIR ENGINEERING

- 8.1 Basic Reservoir Engineering
- 8.2 Advanced Reservoir Engineering
- 8.3 Reservoir Engineering for Other Disciplines
- 8.4 Reserves and Resources Assessment
- 8.5 Maximising Asset Value through focused well and reservoir management

9 PRODUCTION TECHNOLOGY

- 9.1 Advanced Completion Design
- 9.2 Fundamentals of Sand Control Design and Optimisation
- 9.3 Advanced Sand Control Design and Implementation
- 9.4 Master Class in Well Integrity Management
- 9.5 Master Class in Artificial Lift Technology
- 9.6 Production Optimisation and Integrated Asset Modelling

ENGINEERING COURSES

1 GENERAL

- 1.1 Introduction to Oil Production and Processing Facilities
- 1.2 Introduction to Corrosion Monitoring in the Oil and Gas Industry
- 1.3 Environmental and Occupational Safety in Oil and Gas Industry

2 OPERATIONS

- 2.1 Advanced Oil and Gas Processing and Operations Management
- 2.2 Advanced Corrosion Management and prevention of Failure
- 2.3 Advanced Gas Turbine Operations and Maintenance
- 2.4 Pipeline pigging – Technical and Operational Aspects
- 2.5 Advanced HAZOP Analysis and Managing HAZOP Close Out
- 2.6 Major Accident Hazards Identification, Causes and Consequences, Advanced Fault Trees, Event Trees and Bow-Tie analysis for Process Safety
- 2.7 Masterclass in Maintenance Management, Planning, Scheduling and Work Control
- 2.8 Masterclass in Pipeline Inspection and Pipeline Integrity Management
- 2.9 Leading Root Cause Failure Analysis and API 580 Risk-Based Inspection
- 2.10 Quantitative Risk Assessment for Technical Safety Leaders and Leading HAZOP