

Location: Taaeen/ ADNOC

Date: April 2025

Duration: 4 Days

Fee: English

Course Title: Sequence Stratigraphy: Principles and Applications

Learning Objectives:

- Learn the principles of sequence stratigraphy for sedimentary basin analysis.
- Correlate depositional sequences with hydrocarbon systems.
- Apply sequence stratigraphy concepts to reservoir prediction.

Target Audience:

- Sedimentologists, Stratigraphers, and Basin Analysts
- Exploration and Development Geologists

Daily Course Outline:

Day 1: Principles of Sequence Stratigraphy

- Eustatic sea-level changes and sequence boundaries
- Depositional sequences and systems tracts

Day 2: Sequence Development & Hydrocarbon Systems

- Transgressive vs. regressive systems
- Source rock, reservoir, and seal relationships

Day 3: Sequence Stratigraphy in Reservoir Prediction

- Correlating sequences with hydrocarbon systems
- Practical case studies in reservoir prediction

Day 4: Application & Integration Workshop

- Integrating stratigraphy into exploration workflows
- Hands-on exercises and case-based discussions

