



Canadian Petroleum Training Institute Ltd.

EXAMPLE

COURSE OUTLINE

OILFIELD EXPLORATION GEOLOGY

Introduction to Basin Analysis

- Tectonic Development of Sedimentary Basins
- Basement Derived Structures
- Detached Structures

Geology of Clastic Rocks

- Depositional Environments
- Classification
- Reservoir Development
- Impact of Diagenesis

Geology of Carbonate Rocks

- Depositional Environments
- Classification
- Reservoir Development
- Impact of Diagenesis

Petroleum Geology

- Origin of Oil and Gas
- Reservoirs

Subsurface Geological Mapping

- Data Acquisition
- Types of Subsurface Maps
- Computer Applications
- Subsurface Geological Mapping Software
- Geological/Reservoir Modeling
- Reserves Determination

Tools for Formation Evaluation

- Drilling Rate
- Rock Cuttings
- Core Analysis
- Open Hole Log Analysis
- Drill Stem Testing