



# Canadian Petroleum Training Institute Ltd.

## EXAMPLE

### COURSE OUTLINE

#### PETROLEUM PROJECT MANAGEMENT

##### **Project Economics, AFEs and Budgeting**

- Corporate Budget Cycle
- Building the Base Case
- Testing Variables Associated with Base Case Economics and Budget
- Special Cases
- Capital Productivity Process

##### **Project Economics and Measuring Value (Value Engineering)**

- Functional Analysis
- Intervention Points
- Option Analysis
- Risk Analysis
- Interfaces

##### **Team Building**

- Members of the Team
- Communication within the Team
- Group Decision Making Process
- Progress Reporting

##### **Schedule Risk Analysis/MS Project Scheduling**

- Project Plans and the Base Case
- Criticality – Critical Path Analysis
- Progress Reporting
- Risk Analysis Tools

##### **Quantified Risk Analysis**

- QRA Process
- Input Data
- Accident Data
- Accident Scenario and Frequencies
- Consequences
- Company Risk Calculations
- Risk Reduction

**Project Cost Control and Cost Engineering**

- Estimating
- Planning and Scheduling
- Bidding and Contracting
- Budget Control
- Progress Measurement
- Value Engineering
- Contract Management
- Database Management