



# Canadian Petroleum Training Institute Ltd.

## EXAMPLE

### COURSE OUTLINE

#### **GAS CONDITIONING AND PROCESSING**

##### **Background Theory**

- Natural Gas and Liquids Chemistry
- Physical Properties of Natural Gas and Condensate
- Acid Gases
- Phase Equilibrium and Vapour-Liquid Calculations
- Water-Hydrocarbon Systems

##### **Field Processing of Natural Gas**

- Hydrate Formation and Recognition
- Hydrate Removal
- Field Compression of Natural Gas
- Gathering Systems

##### **Gas Processing**

- Gas Compressors
- Liquid Hydrocarbon Separation
- Gas Sweetening
- Sulphur Recovery and Tail Gas Treatment
- Gas Fractionation
- Mercury Removal and Handling

##### **Gas Products**

- LNG, LPG, NGL and GTL
- Product Specifications
- Product Sampling
- Product Homogenization