



Canadian Petroleum Training Institute Ltd.

EXAMPLE

COURSE OUTLINE

REFINERY OPERATIONS

Introduction to the Refinery

- Role of Refining
- Hydrocarbon Chemistry
- Sulphur Considerations
- Key Processes

Refinery Processes

- Atmospheric and Vacuum Distillation
- Desulphurization
- Isomerization
- Catalytic Reforming
- Catalytic Cracking
- Alkylation
- Hydrotreating/Hydrocracking
- Gas Recovery
- Sulphur
- Control and Automation

Refinery Planning and Product Optimization

- Supply and Demand Issues
- Refined Products
- Marketing Overview
- Pricing Structure

Crude Oil and Products Transportation

- Pipelines
- Transportation Cost
- Storage
- Pricing Parity

Plant Opportunities

- Operation Organization
- Maintenance Management

- Refinery Management
- Specialty Products
- Alternate Markets
- Improved Efficiency and Optimization