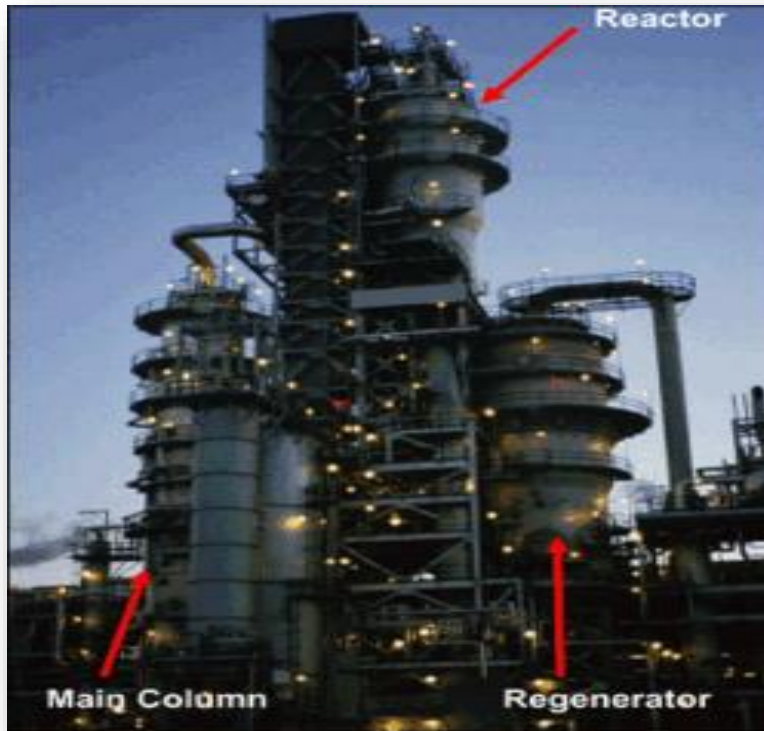




PCE117

Fluid Catalytic Cracking (FCC) Process

Course Introduction:

This course is designed to provide FCC operating and engineering personnel with an understanding of current and typical operation, control, design, and troubleshooting of FCC Units during startup, normal operation, shutdown and emergencies. Participants will have an opportunity to obtain a broad working knowledge of FCC process and mechanical systems, to stay abreast of constantly changing procedures and technology, and to interact with others currently working in this field. This course has been developed to meet the needs of unit operators as well as engineers associated with the FCC unit.

Course Objectives:

Upon successful completion of this course, the delegates will be able to:

- ✓ Describe UOP FCC technology
- ✓ Reference descriptions of the process flow and equipment, process control and metallurgy
- ✓ Identify the process flow of the UOP FCC Process
- ✓ Compare and contrast the effect of feedstocks

Who Should Attend?

This course is intended for process engineers and operations personnel who work with the FCC unit or supervise those who do.

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Course Outline:

Day 1:

- Process Introduction
- Process Overview
- Basic Process Flow
- Process Control

Day 2:

- Typical FCCU Configurations
- Feeds and Contaminants
- Chemistry and Catalyst

Day 3:

- Fluidization Principles
- Regen and Reactor Equipment
- Control Systems
- Distillation Fundamentals

Day 4:

- Main Fractionator
- Gas Concentration
- Heat and Pressure Balances
- Catalysts

Day 5:

- Process Variable Effects
- Startup Keys/Procedures
- Equipment
- Troubleshooting

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires

- Group Work
- Discussion
- Presentation

Course Fees:

To be advised as per course location. This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session

