COURSE DESCRIPTION, BU MEASUREMENT & ANALYTICS

SPU

Sour Processing Units

Z249e – Web-based training (External version)

Course duration
1.5 hours, depending on personnel knowledge

Course type
This is a web-based training course. The course includes self-study material and self-assessment questions. The language of the course is English.

Course goal
The goal of this course is to enable students to develop an understanding of the role of the Merox Treating, Sour Water Stripping (SWS), Amine Gas Absorption & Regeneration (ARU), Sulfur Recovery (SRU) and Tail Gas Treating (TGTU) Units in the overall refinery configuration, its feed, intermediate and product streams and its key unit operations:

- Merox Caustic Prewash, Extraction & Oxidation
- SWS Degassing, Storage & Stripping
- ARU Absorbers
- ARU Regenerator
- SRU Reaction Furnace & Waste Heat Boiler
- SRU Condensers, Reheaters & Reactors
- SRU Sulfur Pit & Storage Tank
- TGTU Hydrogenation Reactor
- TGTU Contact Condenser
- TGTU MDEA Absorber
- TGTU Thermal Oxidizer

Student profile

- Sales/Service engineers
- Product engineers and
- All interested employees inside ABB

Course objectives
Upon completion of this course, students will be able to:
able to:

- Describe the process flow
- Name the principal items of equipment
- Describe their function
- Understand their principles of operation
- Recognize their internal components

Additionally, students should be able to demonstrate an awareness of:

- Important process variables and how they're
- controlled
- Major operating constraints
- Typical operating problems

Course Modules
This course has three modules. Module 01 provides an overview of the SPU, and Modules 01 - 03 describe each of the unit operations that make up the SPU:

- Module 01 – Overview, Merox & Sour Water
- Stripper
- Module 02 – Amine Absorption &
- Regeneration
- Module 03 – Sulfur Recovery Unit & Tail Gas
- Treating Unit

BU Measurement & Analytics
Contact
>>>Mailto
www.abb.com/measurement
www.abb.com/abbuniversity