

Course Content

Title: Refining Fundamentals

Potential PDH: 16

Code: BTT026

Description:

The engineer will be taught the purpose for refining and how refinery units fit together to achieve the business requirements. Units will be discussed, and product specifications and pooling will be introduced.

Outline:

1. How does a refinery fit into our overall business?
2. Our business is:
 - Finding crude and gas
 - Transporting crude to the refinery
 - Converting crude into valuable products (REFINING!)
 - Moving and marketing the products
3. This module will introduce you to:
 - How a Refinery converts crude (and other feedstocks) into products
 - What goes into the Refinery (crude and other feedstocks)
 - What comes out of the Refinery (products)
4. The units inside of the Refinery which are used to create the products
5. Reminder of Potential Refinery Hazards
6. The Refining Process
 - Understanding Crude
 - Refinery Products and Specifications
7. Types of Refineries
 - The Four Basic Refining Processes
 - Typical Refining Units
 - Balancing the Refinery
 - Product Realization of Refinery Types

Instructor:

Michael (Mike) Bober holds a BS in Chemical Engineering from the New Jersey Institute of Technology. He served as a Process Engineer, Project Developer, Economist, and Manager at Exxon's Bayway Refinery for twelve years. He then joined Mobil Research and Development as an FCC Specialist. He managed technical training for Engineering, worldwide, until Exxon and Mobil merged in 2000. At this point, he managed worldwide technical training for ExxonMobil Research and Engineering and then retired from managing the Technical Portfolio for ExxonMobil's Global Manufacturing Training initiative – with a combined service of 37 years to the two companies.