

Course Title : Petrochemical Processing

- **Aim:**

Introduction to petrochemical industry and the common units in this industry

- **Syllabus:**

- Introduction to petrochemical industry and importance of this industry
- Introduction to the different products and their applications
- History of petrochemical industry in Iran and World
- Common chemical and physical operations in petrochemical industry
- Hydrodesulphurization unit
- Cracking unit
- CO₂ separation unit
- CO separation unit
- Ammonia unit
- Urea unit
- Nitric acid unit
- Ammonia nitrate unit
- Sweetening unit
- Sulfur recovery unit
- Sulfuric acid unit
- Phosphoric acid unit
- Di ammonium phosphate unit

- **Reading Resources:**

The Petrochemical Industry