The Chemical and Petrochemical Industries for Non-Technical Personnel Course

Venue Information

Venue: London UK

Place:

Start Date: 2026-09-01

End Date: 2026-09-05

Course Details

Net Fee: £4750.00

Duration: 1 Week

Category ID: OAGTC

Course Code: OAGTC-29

Syllabus

Course Syllabus

Introduction

The Chemical & Petrochemicals for Non-Technical Personnel course is designed to provide participants with a comprehensive understanding of the fundamental concepts and operations within the chemical and petrochemical industries. This course aims to bridge the knowledge gap for non-technical professionals, enabling them to better comprehend the technical aspects and their implications on business operations and decision-making processes.

Objectives

1. Understand the basics of chemical and petrochemical industries.
2. Familiarize with common terminologies and processes.

Course Outline

Day 1: Introduction to Chemical and Petrochemical Industries

- Overview of the chemical and petrochemical sectors
- Key players and market structure
- Basic terminologies and definitions
- Introduction to chemical processes and products

Day 2: Core Processes in Chemical and Petrochemical Industries

- Overview of core chemical processes (e.g., distillation, cracking, polymerization)
- Petrochemical refining processes
- Process flow diagrams and their importance
- Major equipment and their functions

Day 3: Products and Applications

- Key chemical and petrochemical products
- Applications of major products in various industries
- Value chain and product lifecycle
- Emerging products and innovations

Day 4: Safety, Health, and Environmental Considerations

- Importance of safety in chemical and petrochemical operations
- Health hazards and mitigation strategies
- Environmental impact and regulatory compliance
- Case studies on safety and environmental incidents

Day 5: Industry Trends and Challenges

- Current trends in the chemical and petrochemical industries
- Challenges facing the industry (e.g., sustainability, market dynamics)
- Technological advancements and their impact
- Future outlook and career opportunities in the sector