



**Course Title:** Project Evaluation: Operating Cost Estimating Combo Course

Course ID:	Course Type:
CH758	Instructor-led (classroom) Course
<a href="http://www.aiche.org/ch758">http://www.aiche.org/ch758</a>	

### **Course Schedule**

#### **Conceptual Development and Capital Cost Estimating (CH139)**

##### **Day One**

- Part I: Cost Estimation Basics
  - Estimating Terminology & Concepts
  - Types of Project Estimates
- Part II: Conceptual Development
  - Scope Development
  - Project Development
- Part III: Conceptual Estimating
  - Equipment Costs
  - Installation Factors
  - Factored Estimates
  - Cost Escalation
  - Scaling Methods
  - Contingency Applications

##### **Day Two**

- Part IV: Detailed Cost Estimating
  - Project Management Costs
  - Project Related Costs
  - The Detailed Estimating Process
  - Methodology of Detailed Estimating
  - Mechanical Estimating Methods

- Part V: Summary

## **Project Evaluation: Operating Cost Estimating and Financial Analysis (CH140)**

### Day Three

- Financial Terminology
- Working Capital
- Allocation of Shared Fixed Capital
- Costing of Raw Materials
- Energy Costs
- Labor and Support Services
- Plant Overhead, Allocation of Corporate and Other Shared Expenses
- Estimating Revenue, Market Potential and Penetration

### Day Four

- Value-in-Use
- Required Selling Price
- Measuring Profitability
- Return on Investment Techniques
- Cash Flow Analysis Techniques
- Decision Making
- Sensitivity Analysis
- Risk Analysis
- Investment Equivalents