

Common Course Numbering System

Your current Institution is CCCS

Searching Current Courses For Summer 2015

Course: PRO 240

Title: Industrial Troubleshooting

Long Title: Industrial Troubleshooting

Course Description: Provides instruction in the different types of troubleshooting techniques, procedures, and methods used to solve process problems. Topics include application of data collection and analysis, cause-effect relationships, and reasoning.

Min Credit: 4

Max Credit:

Status Notes:	New course entered 9/30/05 s@
Origin Notes:	RRCC
Course Notes:	Title change entered 9/23/11 LK

STANDARD COMPETENCIES:

1. Explain steps in troubleshooting models
2. Demonstrate use of troubleshooting tools
3. Apply troubleshooting techniques to process problems
4. Apply knowledge of process variables, indicators and controls, troubleshooting tools, and troubleshooting steps to solve problems in a simple process system
5. Apply the troubleshooting steps and tools to solve problems in a decanter process, reaction process, steam generation process, distillation process, and an absorption and stripping process.

TOPICAL OUTLINE:

- I. Method and Tools
- II. Simple Separator System
- III. Reaction System
- IV. Steam Generation System
- V. Distillation System
- VI. Absorption and Stripping System
- VII. Processes and Systems
- VIII. Organizational Learning
- IX. Variance and Operating Consistency

- X. Continuous Improvement and Corrective/ Preventive Action
- XI. Group Problem Solving
- XII. Statistical Thinking and SPC Basics
- XIII. Data Collection and Control Charts
 - a. Control Charts
 - b. Data Representation
 - c. Analysis and Interpretation
- XIV. Process Capability

RELEASE: 8.5.3

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