

Bossier Parish Community College

Master Syllabus

Course Prefix and Number: OGPT 228

Credits: 3-3-0

Course Title: Troubleshooting for Process Technology

Course Prerequisite: None

Textbook(s): Thomas, Charles E. Process Technology Troubleshooting. 1st edition. Cengage Learning ISBN-13: 978-1-4283-1100-8

Course Description: This course is a study of troubleshooting topics regarding major systems used within the process technology industry. The course includes troubleshooting topics related to equipment and instrument malfunctions, operations and interactions, including communication, problem identification and corrective action.

Learning Outcomes:

At the end of the course, the student will:

- A. discuss how equipment and/or instrument malfunctions may affect a system;
- B. discuss the domino affect between inter-related systems (how a malfunction in one system affects another system);
- C. identify a problem through monitoring instruments and equipment (collecting data) and communicate effectively;
- D. demonstrate troubleshooting steps and tools to identify likely cause and take corrective action;

To achieve the learning outcomes, the student will:

(The letter designations at the end of each statement refer to the learning outcome(s).)

1. develop basic understanding of how equipment and/or instrument malfunctions may affect a system; (A)
2. develop basic understanding of the domino affect between inter-related systems (how a malfunction in one system affects another system); (B)
3. develop basic ability to identify a problem through monitoring instruments and equipment (collecting data) and communicate effectively; (C)
4. develop basic ability demonstrate troubleshooting steps and tools to identify likely cause and take corrective action; (D)

Course Requirements: Complete all homework assignments, lectures, tests, and final exam. Scientific calculator is required

Course Grading Scale:

90 – 100 = A

80 – 89 = B

70 – 79 = C

60 – 69 = D

0 – 59 = F

Attendance Policy: The college attendance policy is available at <http://www.bpcc.edu/catalog/current/academicpolicies.html>

Course Fees: None

Nondiscrimination Statement: Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

Title VI, Section 504 and ADA Coordinator

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