Course Title: Continuous Improvement and Productivity

Instructor:

Course web page:

Course Description:  
Apply various methodologies of Lean Manufacturing, Six Sigma Manufacturing and Total Productive Maintenance. Understand how Overall Equipment Effectiveness (OEE) is used to meet increasing demands on manufacturing operations. Capture and analysis of actionable, accurate manufacturing performance data for continuous improvement and increased productivity.

Suggested Course Prerequisite(s):

Materials Needed:

Course Objectives:  
1. Apply various methodologies of Lean Manufacturing, Six Sigma Manufacturing and Total Productive Maintenance. 2. Understand how Overall Equipment Effectiveness (OEE) is used to meet increasing demands on manufacturing operations. 3. Capture and analysis of actionable, accurate manufacturing performance data for continuous improvement and increased productivity.

Certification Notes:

Next course recommendation:

Instructor Notes:

Textbook(s): N/A

Lesson Plan – by week or session

Session 1: Introductions, Course Syllabus  
Lean and Six Sigma Manufacturing methodologies

Session 2: Overall equipment effectiveness (OEE)

Session 3: Analysis of manufacturing performance data

Session 4: Continuous Improvement, increased productivity  
Student Evaluation of Instruction

Course Sessions: listed are a guideline to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

Method of Evaluation: Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.
Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

Students must complete all courses (core and no. of elective courses needed) to complete a certificate series within two years from start date of the first course taken.

**Americans with Disabilities Act:** Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student’s responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.

http://www.collin.edu/studentresources/personal/studenthandbook.aspx