

CUMBERLAND COUNTY COLLEGE

Course: IT 162 Quality Control

Credits: 3

Prerequisites: None

Description:

Introduces the student to the key national and international standards used in quality management systems. Students learn to evaluate and audit the conformance of business and manufacturing quality systems to these major standards.

Learning Outcomes:

Upon successful completion of this course, students will be able to:

- Define the quality management terms
- Calculate reliability for a system
- Discuss the importance of technological forecasting
- List and discuss the types of quality audits
- Explain the characteristic of experimental design
- Recall the tools of quality
- Distinguish the type of sampling plans

Topical Outline:

- Quality Basics
- Strategic Quality Management and Operational zing Quality
- Quality of Design
- Quality Systems to Assure Conformance to Design
- Control and Improvement of Quality
- Quality Management

Text:

Essentials of Quality, Victor E. Sower, John Wiley & Sons, Inc.

Student Assessment:

Assessment of student proficiency is based on two mid-semester exams, final exam, term project, and weekly assignment as follows:

Mid-Semester exams	40%
Final Exam	30%
Term Project	20%
Weekly assignments	10%

Academic Integrity:

Plagiarism is cheating. Plagiarism is presenting in written work, in public speaking, and in oral reports the ideas or exact words of someone else without proper documentation.

Whether the act of plagiarism is deliberate or accidental [ignorance of the proper rules for handling material is no excuse], plagiarism is, indeed, a “criminal” offense. As such, a plagiarized paper or report automatically receives a grade of **ZERO** and the student may receive a grade of **F** for the semester at the discretion of the instructor.

Tutoring & Project Assist:

If you are having difficulty with work in this class tutoring is available through the Center for Academic & Student Success. If you think that you might have a learning disability, contact Project Assist at 856.691.8600 x 1282 for information on assistance that can be provided to eligible students.

Before Withdrawing From This Course:

If a student experiences adverse circumstances while enrolled in this course and considers withdrawing, s/he should see an advisor (division or advisement center) BEFORE withdrawing from the class. A withdrawal may cause harmful repercussions to completion rate standards and overall GPA, which can limit or eliminate future financial aid in addition to causing academic suspension.