

Kent State University College of Technology

TECH 50000 Quality Standards Web Based (Distance Learning)

Instructor: Verna Fitzsimmons, Ph.D.
Office: Van Deusen 120B
Telephone: 330.672.9780
Mobile: 216.214.6793 (Please use only if time sensitive)
Email: vfitzsim@kent.edu
Office Hours: Wed and Thur 9 – 11:30 AM or by appointment

Course Description: This course introduces students to issues in quality standards, quality assurance, and statistical inference in applied technology and process control. Topics include systems reliability, quality control, SPC, control charts, principles and methods of statistical analysis and prediction and hypothesis testing.

Total Quality Management and its tools and techniques will be explored via case studies, research, discussions, and problem solving. We will explore the effectiveness of various attempts to improve “quality.”

Text: Evans, James R. and Lindsay, William M., Managing for Quality and Performance Excellence, Student Edition + CD. Thomson Southwestern. (7th Edition) 2008.

ISBN 13: 978-0-324-38227-3
10: 0-324-38227-8

Prerequisites: Graduate Standing

Grading:
Letter Grades:

Articles	10%	A	94 – 100%
Text Assignments	60%	A-	91 – 93
Discussions	20%	B+	88 – 90
Midterm/Final	10%	B	83 - 87
		B-	80 – 82
		C	70 – 79
		D	60 – 69
		F	≤59%

Your final grade will be determined using a baseline of the highest grade in the class. I find this methodology more equitable than some arbitrary standard that I have. Equation:

$$\text{Final grade} = \frac{\text{your total number of points}}{\text{highest number of points by one student}}$$

Assignments are submitted via Vista

Comment on Grading: Each assignment is detailed on Vista. Grades will be assigned according to how COMPLETE and WELL the assignment is completed.

Articles: See more information in Week 1 and Week 2

Find 5 articles in professional journals or on professional websites relating to topics from this course and your own interests. There may be times when a specific article is identified by me.

Expectations of the papers:

- Briefly summarize any important points (No more than one or two paragraphs)
- Discuss the impact of the concepts identified on the industry
- Either agree or disagree with the author and **defend your position**
- Recommend how the ideas presented in the article can be used
- **Identify source of the article (for verification and access). MLA reference style is preferred.**
- Articles are due as indicated on Vista. These will be graded on demonstrated critical thinking. Expected length is one or two pages.
- There are example articles and additional information on Vista.

Assignments:

Text assignments will be identified from the text and listed in Vista. Problems are due by the stated date in the assignment. The work is designed so that there are weekly assignments. **Note:** The software that accompanies the text can/should be used for solving many problems. Excel also has the capability to produce many of the solutions. The text CD has the data sets so that you are not spending time keying data sets.

Midterm/Final:

The midterm and final will be posted and students will be given one week to complete the assignment. Depending on the progress of the class, the final may be a project or a test.

Withdrawal Deadline:

For Fall and Spring semesters, the course withdrawal deadline is always the Sunday following the 10th week of the semester. For Intersession, the course withdrawal deadline is always the Sunday following the second week (of three total). For Summer I and III, the course withdrawal deadline is usually the Sunday following the second week (of five total). For Summer II, the course withdrawal deadline is usually the Sunday following the fourth week (of eight total). More information is available on the University Registrar's web site <http://www.kent.edu/registrar/index.cfm>.

Proper Enrollment:

Students have responsibility to ensure they are properly enrolled in classes. You are advised to review your official class schedule (using Student Tools in FlashLine) during the first two weeks of the semester to ensure you are properly enrolled in this class and section. Should you find an error in your class schedule, you have until (*date will be provided by the Undergraduate Office in advance*) to correct the error with your advising office. If registration errors are not corrected by this date and you continue to attend and participate in classes for which you are not officially enrolled, you are advised now that you will not receive a grade at the conclusion of the semester for any class in which you are not properly registered.

Students with Disabilities:

University policy 3342-3-18 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact the instructor at the beginning of the semester to make arrangements for necessary classroom adjustments. Please not, **you must first verify your eligibility** for these through Student Accessibility Services (contact 330-672-3391) or visit www.kent.edu/sas for more information on registration procedures.

Academic Honesty:

It is expected that the student complete all of the assigned work alone except when otherwise assigned. If the submitted work is the result of a collaborative effort, names of all members and contributors must be included. If references are used, notation is expected. (I prefer a paper full of notated references than one with plagiarized material.) See the University's rules on plagiarism. Cheating means to misrepresent the source, nature, or other conditions of your academic work (e.g., tests, papers, projects, assignments) so as to get underserved credit. The use of the intellectual property of others without giving them appropriate credit is a serious academic offense. The University considers cheating and plagiarism very serious offenses and provides for sanctions up to and including dismissal from the University or revocation of a degree. The University's administrative policy and procedures regarding student cheating and plagiarism can be found in the [University Policy Register, Chapter 3, Topic 7](#).

By submitting any material in this (or any other class) you are certifying that it is free of plagiarism. If you would like more information on plagiarism, what it is, and how to avoid it, please visit the following sites:

<http://www.indiana.edu/~wts/pamphlets/plagiarism.shtml>,

<http://sja.ucdavis.edu/avoid.htm>.