



Syllabus for ISE 288.001
INTRODUCTION TO INDUSTRIAL ENGINEERING
AND MANUFACTURING ENGINEERING

Spring Semester 2009

M

4:30 – 7:00 p.m.

Room EGC 204A

Instructor : Dr. Joan Burtner, Associate Professor, Department of Mechanical and Industrial Engineering

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Web Site: http://faculty.mercer.edu/Burtner_J/

Textbooks and Supplies:

Required:

Goldratt. (1992). The Goal. Great Barrington, MA: North River. ISBN 0-88427-061-0

Bulletin Description: An overview of the concepts important to industrial engineering and manufacturing engineering. Topics include operations research, facility design, quality control, information systems, economic analysis, management concepts and human factors.

Course Objectives: Upon successful completion of this course, students should be able to:

1. Define industrial engineering and industrial management.
2. Contrast industrial engineering and industrial management.
3. Define the various duties of an industrial engineer.
4. Describe how industrial engineering is practiced in at least one manufacturing or service organization.

Prerequisite: Sophomore standing

Grading:

Homework	35%	Final Exam	10%
Quizzes	40%	Presentations	15%

Course Standards:

Assignments are due at the beginning of the class period on the date due. In an exceptional circumstance you may petition to hand in an assignment late. If granted, the grade will be reduced one letter grade per day late. Homework assignments that are not of acceptable quality (neat, complete, readable, etc.) will be returned for revision and late penalties *will* apply.

Quizzes will be closed-book, closed-notes unless specifically noted otherwise. **No make-up quizzes will be given.** The final exam will be open-book, open-notes.

Attendance will be taken each time class meets and all students are expected to attend all classes. Although failure to attend class in itself will not adversely affect your final grade, good attendance, class participation, and a good homework record will be looked upon favorably.

Please turn off cell phones and pagers before entering the classroom.

The **honor code** provisions as outlined in the *Catalog* and in the student handbook, *The Lair*, will be assumed for everyone. It should be clear from this document and class discussion which assignments can be collaborative and which ones must be individual. When in doubt, please ask. Plagiarism is a violation of the honor code and is prohibited.

Student Support Services Policy:

Students requiring accommodations for a disability should inform the instructor at the close of the first class meeting or as soon as possible. If you are not registered with Disability Services, the instructor will refer you to the Disability Support Services office for consultation regarding documentation of your disability and eligibility for accommodations under the ADA/504. In order to receive accommodations, eligible students must provide each instructor with a "Faculty Accommodation Form" from Disability Services. Students must return the completed and signed form to the Disability Services Coordinator on the 3rd floor of the Connell Student Center. Students with a documented disability who do not wish to use academic accommodations are also strongly encouraged to register with Disability Services and complete a Faculty Accommodation Form each semester. For further information, please contact Carole Burrowbridge, Disability Services Coordinator, at 301-2778 or visit the website at http://www.mercer.edu/stu_support/swd.htm

Electronic Communication:

Electronic communication is an important adjunct to face-to-face communication, including from professor to students, students to professor, and students to students. You must have regular access to your email. If you do not have an active **Mercer email** address on the first day of class, please secure one. You will be subscribed to the class listserv (ISE28800109S@Mercer.edu) **using your Mercer email address.** File-naming conventions for electronically submitted documents will be prescribed in order to avoid needless confusion.

January 26, 2009