IE 5390
Special Topics in Industrial Engineering
(Fall 2009)

Objective:
This course is on special topics in Industrial and Manufacturing Engineering field: semiconductor manufacturing and nondestructive testing technology. Some major nondestructive testing technologies will be covered, including electromagnetic and electronic methods, ultrasonic methods, thermal and infrared methods, to study the interested features of the materials, like cracks, crystal structure, voids, or composition.

Location and Time:
Lecture: CRBL C205, Monday, Wednesday, 6:00PM – 7:20PM.

Instructor: Jianmei (Jenny) Zhang, Ph.D.
Office: Room A117 New Engineering Bldg.
Office hours: Tuesday 10:00AM-12:00PM & 4:00PM-6:00PM or by appointment
Phone: 747-5780
Email: jzhang2@utep.edu

Grading Policy:
200 points Quiz and homework
300 points Case studies
200 points Mid-term exam
200 points Final exam
100 points Class participation

A 900 and above
B 800 and above (but less than 900)
C 700 and above (but less than 800)
D 600 and above (but less than 700)
F Less than 600
Homework:
All homework are due Friday 5:00PM and will be given about one week to work on. You may drop off the homework in Dr. Jenny Zhang’s office (A117 New Engineering Bldg). Assignments cannot be submitted after the due time.

Quiz:
Some in-class quizzes will be given in class and might not be announced in advance. No make-up quizzes will be given. However, one quiz with the lowest score will be dropped for every student when calculating the final grade.

Case Study:
Some case studies will be given to the students. An oral presentation and written report of the investigation will be expected for each case study during the semester. Date and time for presentations will be announced during class at least two weeks in advance.

Mid-term Exam and Final Exam:
Two exams will be given during the semester. The mid-term exam will cover approximately half of the course, and the final exam will be comprehensive, but will stress the materials covered after the first exam.

No make-up exams will be given except cases with university excused absences. For excused absences, approval must be provided in writing and signed by an advisor, a department head, or the dean. There will be only one makeup exam at the end of semester for any of the two exams, and the makeup exam will be comprehensive.

Academic Accommodations for Disabled Students:
Any students with a disability who need an accommodation or other assistance in this course should make an appointment to speak with the instructor as soon as possible.

Academic Honesty:
Plagiarism and cheating are serious offenses and any student who does plagiarism and cheating will receive a failing grade for this course.