STT 363 Engineering Statistics
Winter 2012
Tuesdays and Thursday, 6:05-7:20 p.m., 350 Oelman

Instructor: Thaddeus Tarpey,
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Required Textbook: Statistical Models for Engineers by Thaddeus Tarpey which can be downloaded for free from the webpage:
http://www.wright.edu/~thaddeus.tarpey/stt363.html

Office Hours: 12:00–1:30 p.m. Tuesday and Thursday, 141 MM, and by appointment. Email is the best way to get hold of me since I usually check that several times each day.

Description: This is an introductory statistics course for engineering students which introduces fundamental probability and statistical models and concepts. Parameter estimation and hypothesis testing is introduced. This is a calculus based course with MTH 232 as a pre-requisite.

Homework: Homework assignments will be handed out during each class (with a few exceptions such the last day of class). The assignments are to be completed and turned in at the beginning of the next class period. These assignments will be graded. Each assignment will be worth 10 points. Late assignments will not be accepted under any circumstances. An assignment will be considered late if it is not turned in at the beginning of the class period. The lowest homework grade will be dropped before a homework average is computed. Students are not allowed to copy or share answers on homework with one another. The homework assignments will be based on material covered in the lecture and in the textbook.

Matlab: The mathematical software Matlab will be used in the class and for some of the homework assignments and illustration in the lectures. Students can use other software programs if they wish but I may not be able to help them with software I am not familiar with. Previous experience with Matlab is not required. I will email Matlab programs to the class that I cover in lecture. These programs can be easily adapted in order to do the homework assignments.

Exams: We will have one midterm exam and a comprehensive final exam. The schedule for the exams is as follows:

Midterm Thursday, February 2 (in class)
Final Exam Thursday, March 15, 8-10 p.m.

Grades: The final grade will be computed based on the following weights:

Homework Average 35%
Midterm 30%
Final Exam 35%

The usual grading scale will be used: a course average of at least 90% will guarantee you an A, 80% a B, 70% a C, and 60% a D.

Students with disabilities are encouraged to meet with me to discuss any helpful accommodations.