ST 361: Introduction to Statistics for Engineers (Fall 2013)

Tu & Th 3:00- 4:15pm, 450 Riddick Hall

Course Web Page:
http://www4.stat.ncsu.edu/~lu/ST361/st361.html

Instructor:  Wenbin Lu
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Office Hours:  Tuesday 1:30pm-2:30pm at 5212 SAS Hall, or
by appointment

TA:  Wenhao Hu
E-mail:  whu6@ncsu.edu
Office Hours:  Monday and Wednesday 10:00am-
11:00am
Location:  1101 SAS Hall
Mailbox:  4260 SAS Hall (where you turn in late
homework)

Text:  Applied Statistics for Engineers and Scientists, 2nd ed.
Author:  Jay Devore and Nicholas Farnum. Publisher:

Course content:  Chapters 1-3, 5, 7-8, and 11 of the text will be
covered in the class. Some sections may be omitted. If time
permits, we will cover portions of Ch9.

Course Goal:  This course is intended to give students a
background in the methods of statistical analysis. Students
will learn methods for summarizing and describing data, and
techniques for using sample data to make inferences about a
population.

Prerequisite:  College algebra, 3 credits.

Note Outlines:  Note outlines will be available on the course
webpage at least 24 hours prior to lecture. Please print
these and bring them to class with you.
Classroom discipline: You should come in time and put your cell phone off before entering the class. Good class participation may increase the chance of getting a good grade. You should bring your course handouts and a calculator to the class.

Attendance and communication:
- Class attendance is required. Experience has shown that students who attend class regularly perform better on assignments and exams than those who do not. Lectures will involve discussion of topics and presentation of examples and will not be simply a review of the reading material. Completing the reading assignments is not a substitute for attending lecture, nor is attending lecture a substitute for completing the reading assignments. Lecture content will be an indication of the topics that will be emphasized on the exams.
- Students should check their Unity email regularly to receive course announcements.

Grading policies: Weights given to homework 20%, quizzes 10%, mid-terms 40%, final 30%. Up to plus/minus, you need 90% for A, 80% for B, 70% for C, 60% for D. Less than 60% is F. You can access your grade records through the WolfWare course homepage at http://courses.ncsu.edu/st361/

Homework: HW problems will be assigned on weekly basis. Homework should be submitted at the beginning of class on Thursdays
- No late homework will be accepted after 5pm on Friday, as the solutions will be posted on the course website soon. Late HW should be turned in to the TA’s mailbox at 4260 SAS Hall.
- You are encouraged to discuss with classmates, but should always work through problems and write the homework INDEPENDENTLY to master the materials. Copied solutions will disqualify you from getting credit and lead to disciplinary actions.
Quiz:
- There will be four in-class quizzes in this semester. Quizzes will be open notes and open book.
- There will be NO make-up quizzes. However, the lowest two scores will be dropped, which is designed to cover the cases that you are busy, sick, or for any unexpected scenarios that prevent you from coming to class on the quiz day.

Exams: Two mid-terms and the final will be held on the following dates:
- First mid-term: 10/3/13 (Th), in class
- Second mid-term: 11/7/13 (Th), in class
- Final: 12/10/13 (Tu), 1-4pm

All exams will be closed book, closed notes. You may use formula-sheets (restrict to one for midterms and three for the final). There is no provision for make-up exams. Contact the instructor in advance if you are going to miss an exam.

Class evaluation:
- Schedule: Online class evaluations will be available for students to complete during the last two weeks of class. Students will receive an email message directing them to a website where they can login using their Unity ID and complete evaluations. All evaluations are confidential; instructors will never know how any one student responded to any question, and students will never know the ratings for any particular instructors.
- Evaluation website: https://classeval.ncsu.edu
- Student help desk: classeval@ncsu.edu
- More information about ClassEval: http://www2.acs.ncsu.edu/UPA/classeval/

Integrity: University regulations require that every course syllabus remind students that the Code of Student Conduct defines a university policy on academic integrity already pledged by each student. Instructors assume that the students’ names on their submitted work imply compliance with this policy. See http://www.fis.ncsu.edu/ncsulegal/41.03-codeof.htm
Support Services Available:

- **Tutors:** A current list of students who are willing and able to tutor for this and other statistics courses is kept at [http://www.stat.ncsu.edu/grad/tutors/](http://www.stat.ncsu.edu/grad/tutors/). Tutors are available on a pay per session basis.

- **Resources for Disabled Students** ([http://www.ncsu.edu/dso](http://www.ncsu.edu/dso)): Students with mobility, visual, hearing, or learning disabilities are eligible for support, as well as students with chronic health conditions. Some of the services include note takers, readers and alternative testing. If you need specific accommodations due to a disability (or other circumstances), please meet with me outside of class to discuss your needs concerning exams and/or the completion of other class requirements.