

STA 3032 Engineering Statistics - Summer A 2016
Lecture: MTWRF 9:30 - 10:45 in TUR L011

Instructor Xueying Tang

Office Griffin-Floyd 202

Office hours MTWRF 11 am - 12 pm

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Teaching Assistant Miranda Andrews

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Office hours MW 3:00 - 5:00 pm TR 8:00 - 9:00 am

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Course webpage: Canvas

Please check Canvas regularly. All announcements will be made on Canvas.

Course Materials:

1. *Statistics for Engineers and Scientists* 4th Edition by William Navidi. ISBN-13: 978-0073401331
2. Calculator capable of calculating means and standard deviations.
3. The homework may require the use of Minitab and/or R (a statistical computing software) or their printouts. Minitab can be found on the CIRCA lab computers, purchased at a campus bookstore, downloaded for free for 30 days www.minitab.com for Windows machines only. R is a free software for all operating systems and can be found at <http://www.r-project.org/>.

Course Description: A survey of the basic concepts in probability and statistics with engineering applications. Topics include probability, discrete and continuous random variables, estimation, hypothesis testing and linear and multiple regression. The topic factorial experiments will be covered if time permits. [General Education: Mathematics (M), Math Requirement (MR)]

Prerequisite: MAC 2311.

Important Dates:

- Drop/Add: May 9-10
- Fee Payments: May 20 (3:30 pm, University Bursar)
- Withdrawal with 25% Refund (W assigned): May 18
- No classes: May 30 : Memorial Day
- Classes end: June 17
- Final Grades available (on ONE.UF): June 22

Exams: There will be 3 exams total. You will need to bring your calculator, pencil, UF ID % and a photo ID. If you expect a conflict with an exam date or time or any other circumstance that will prevent you from taking the exam, you must notify the instructor no later than one week before the exam day. If an emergency situation precludes an advance arrangement, you must provide official documentation of the reason for your absence to be eligible for an alternative arrangement.

Tentative Exam Schedule:

1. Exam 1: Friday, May 20 (in class)
2. Exam 2: Friday, June 3 (in class)
3. Exam 3: Friday, June 17 (in class)

Homework and Quizzes: There will be homework assignments possibly every day. They will not be collected. However, one or more of these questions will be a quiz question. There will be 6 in-class quizzes (5/11, 5/18, 5/25, 6/1, 6/8, 6/15), based on the assigned homework questions. The one with the lowest score will be dropped. You are encouraged to go to the TAs for help with the homework.

Grading: Three exams account for 75% of the total points. Five quizzes account for 25% of the total points. Tentative letter grade distribution:

A: [91,100] A-: [87, 91)
B+: [84, 87) B: [80, 84) B-: [77, 80)
C+: [74, 77) C: [70, 74) C-: [67, 70)
D: [60, 67) E: [0, 60)

Course Policies: I adhere to the University of Florida rules and guidelines for handling instances of academic dishonesty. Please refer to the Office of Students Services for detailed information about the current policies. Incompletes are only assigned when extraordinary circumstances, arising after the date for dropping off the course, prevent the student from completing the course requirements. The student must be currently passing the course and discuss the circumstances with the instructor before the final exam takes place. Having a failing grade in the course is not a valid reason for requesting an incomplete.

Instructors Honor Code: We the members of the University of Florida community pledge to hold ourselves and our peers to the highest standards of honesty and integrity.

Accommodations for students with disabilities: Students requesting classroom accommodation must first register with the Dean of Students office. The Dean of Students will provide documentation to the students who must then provide this documentation to the Instructor when requesting information.

Privacy Policies: Student records are confidential. Only information designated UF directory information may be released without your written consent. UF views each student as the primary contact for all communication. If your parents contact me about your grade, attendance or other information that is not UF directory information. I will ask them to contact you.

Attendance: Attendance is not mandatory. However, it is mandatory on quiz and exam days.

I reserve the right to update any parts of this syllabus as I deem appropriate. Students will be notified of any changes.