

Engineering Statistics

STA 3032 (1054)

Summer A 2012

Lecture: MTWRF - 2nd Period (9:30 am - 10:45 am) - Larsen Hall (LAR) 310

Instructor: Heemin Choi

Office hours: T 11:00 am - 12:00 pm

Office: Griffin-Floyd 105

Email: heemin@stat.ufl.edu (Please include STA 3032 in subject line)

Course webpage: Sakai

Please check Sakai often, as I will make announcements frequently.

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. [General Education: Mathematics (M), Math Requirement (MR)] Prerequisite: MAC2311.

Course Materials:

1. *Statistics for Engineers and Scientists* 3rd Edition by Navidi [ISBN: 978-0-07-337633-2].
2. Student solution manual for *Statistics for Engineers and Scientists* 3rd Edition by Navidi.
3. Calculator capable of calculating means and standard deviations.
4. The homework and exams require the use of R (statistical computing packages) or its printouts. R is free software for all operating systems and can be found at <http://www.r-project.org/>.

Important Dates:

- Drop/Add: May 14-15
- Fee Payments: May 25 (3:30 PM, Financial Services)
- Withdrawal with 25% Refund (W assigned): May 23
- No classes: May 28 (Memorial day), June 8
- Classes end: June 22
- Final Grades available (Transcript view, on ISIS): June 27

Exams: There will be 3 exams total, each worth 30 points. 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. Midterm 1: Tuesday, May 29 (in class)
2. Midterm 2: Monday, June 11 (in class)
3. Final: Thursday, June 21 (in class)

Homework: There will be 1 homework assignment due in class on Wednesday June 13 (10 pts). Late assignment will not be accepted.

Extra-Credit Homework: There will be 1 extra-credit homework assignment due in class on Friday June 1 (5 pts). Late assignment will not be accepted.

Grading Scale: The grading scale will be the following. A: [85, 105] total points ($3EX + 1H + 1ECH = 3(30) + 10 + 5 = 105$ pts), A-: [82, 85), B+: [79, 82), B: [76, 79), B-: [73, 76), C+: [70, 73), C: [67, 70), C-: [64, 67), D: [61, 64), and E: [0, 61). It is the policy of the Department of Statistics not to give grades of D+.

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: is not mandatory, however it is mandatory on exam days.

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