

Engineering Statistics

STA 3032 (1054)

Summer A 2010

Lecture: MTWRF - 2nd Period (9:30 am - 10:45 am) - Fine Arts Building (FAB) 105.

Instructor: Rob Gordon

Office: McCarty C 415

Office hours: MTWRF 11am-12:30pm (or by appointment)

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

Course webpage: www.stat.ufl.edu/~robertfgordon/STA3032~SU10/STA3032.html.

Please check the course webpage often, as I will make announcements frequently. Located there is a copy of the syllabus, course outline, course information, homework assignments and solutions.

Teaching Assistants Yuan Liao Yang Wu

Office Griffin Floyd 218 McCarty C 415

Office hours Monday 3-5 PM Tuesday & Wednesday 2-4 PM

Email yliao@stat.ufl.edu ywu@stat.ufl.edu

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* 2nd Edition by William Navidi [ISBN: 987-0-07-312779-8]. A copy of the solution set for odd numbered problems will be provided on the course webpage.
2. Calculator capable of calculating means and standard deviations
3. The quizzes, homework, and exams may require the use of Minitab (a statistical computing package) or its printouts. Minitab can be found on the CIRCA lab computers, purchased at a campus bookstore, downloaded for free for 30 days www.minitab.com.

Important Dates:

- Drop/Add: Tuesday, May 11, 2010
- Drop/Add by college petition: Wednesday May 19, 2010
- Withdrawal with 25% Refund (W assigned): Wednesday May 19
- Fee Payments: Friday May 21, 2010 (3:30 PM, Financial Services)
- Memorial Day (No class): May 31, 2010
- Classes end: Friday June 18, 2010

Exams: There will be 3 exams, each worth 100 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 as early as possible. 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.

Exam Schedule:

1. Friday, May 21, 2010 (in class).
2. Friday, June 4, 2010 (in class).
3. Friday June 18, 2010 (in class).

Homework: There will be 3 homework assignments (135 pts). Late assignments will not be accepted.

Quizzes: There will be 3 in-class quizzes (75pts).

Grading Scale: The grading scale will be the following. A: 93-100% of 510 total points ($Ex1+Ex2+Ex3+3Q+3HW=100+100+100+3(25)+3(45)=510$ pts), A-: 90-92%, B+: 88-89%, B: 83-87%, B-: 80-82%, C+: 78-79, C: 73-77%, C-: 70-72%, D: 60-69%, and E: 59 and lower. 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: will be recorded (and encouraged) but not mandatory, however it is mandatory on exam/quiz days.

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