Engineering Statistics

STA 3032 (7661)

Fall 2011

Lecture: MWF - 5th Period (11:30 am – 12:20 pm) - Little Hall (LIT) 109.

Instructor: Rob Gordon

Office: Griffin-Floyd 115A

Office hours: TBA

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

Course webpage: www.stat.ufl.edu/~robertfgordon/STA3032~Fall2011/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

Subhadip Pal

Office

Griffin-Floyd 209

McCarty C 419

Office hours

TBA

TBA

Email

yliao@stat.ufl.edu

subhadippal@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:


2. Calculator capable of calculating means and standard deviations

3. The quizzes, homework, and exams may require the use of Minitab and/or R (statistical computing packages) 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 free software for all operating systems and can be found at http://www.r-project.org/.

**Important Dates:**

- Drop/Add: Friday, August 26, 2011
- Fee Payments: Friday September 2, 2011 (3:30 PM, Financial Services)
- Labor Day (No class): September 5, 2011
- Withdrawal with 25% Refund (W assigned): Friday September 16
- Homecoming (No class): November 5, 2011
- Classes end: Wednesday December 7, 2011
- Examination reading days (No class): December 8-9, 2011

**Exams:** There will be 3 exams total, each worth 200 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.

**Tentative Exam Schedule:**

1. Friday, September 30, 2011 (in class Midterm).
2. Wednesday, November 2, 2011 (in class Midterm).
3. Tuesday 7:30 AM to 9:30 AM, December 13, 2011 (in class Final).

**Homework:** There will be 3 homework assignments (50 pts each). Late assignments will not be accepted.

**Quizzes:** There will be 10 in-class quizzes (20 pts each).

**Grading Scale:** The grading scale will be the following. A: 93-100% of 950 total points (Ex1+Ex2+Ex3+ 10Q + 3HW= 200+200+200+10(20) +3(50) = 950 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.