

**STA 3032, Spring 2009**  
**Engineering Statistics**

Section 7347: MWF 3rd period (9:35-10:25), FAB 103  
Section 7370: MWF 7<sup>th</sup> period (1:55-2:45), LIT 101

Instructor: Ramon Littell  
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Office Hours: Littell 10:30-11:30 MWF  
Gao 2:00-4:00 T  
Liao 3:00-5:00 M

Course Objective: To train students in concepts and methodology of statistics and probability needed for applications in engineering.

Course Description: The course will be presented in the *context of statistical applications*. Topics include probability, discrete and continuous random variables, summary statistics, estimation and hypothesis testing, linear regression, design of experiments, and quality control.

Texts and Course materials:

- Required:
1. Text: W. Navidi, *Statistics for Engineers and Scientists*, 2<sup>nd</sup> ed, McGraw-Hill, 2008
  2. Access to computer program for statistics, such as R, JMP, MiniTab, or SAS.
  3. Hand-held calculator capable of computing means and variances. Bring to exams.
  4. Additional handouts to be posted on the class website.

Web Site: <http://www.stat.ufl.edu/CourseINFO/Index.htm>

Exams, quizzes and homework: There will be:

1. Three exams each worth 100 points (300 total points).
2. Six quizzes each worth 25 points, announced at least one week ahead of time. The two lowest scores will be dropped (100 total points).
3. Numerous other homework problems, mostly from the textbook, will be assigned but not collected for grading.

Grading: On basis of 4004 points from combined quizzes and exams:

90-100%	A
80-89%	B
70-79%	C
60-69%	D

## **Policies and Additional Information:**

1. **Office Hours.** Office hours are listed above. Help outside these times is available by appointment with instructor or TA's. Call or email to schedule an appointment.
2. **Lecture materials** will be based on text book and other notes. Sections in text to be covered are listed on Course Schedule.
3. The **class website** and the **UF list server** will be used to distribute additional information, handouts, etc. to everyone in class. Be sure your campus email address is current because you are accountable for any information conveyed via email.
4. Instructor is not available for **questions on exam materials** starting the day before an exam.
5. **All exams and quizzes are closed book and closed notes except as explained in class prior to exam.** You may NOT share information or calculators with other students during the exam. You are encouraged to ask the proctors questions regarding clarification or interpretation of exam questions but do not ask about your answer.
6. **Missed Exams and quizzes.** If you *must* miss an exam because of illness, emergency, or official university activity, inform the instructor as soon as possible before the scheduled exam. Written excuses may be required for medical appointments and other emergencies. It is unlikely a make-up exam will be offered except if the student cannot change the timing of the conflicting event. Missed quizzes cannot be made up. Only the best four grades will be counted.
7. Please do not ask for a change to your grade on a quiz or exam unless there was a calculation mistake (added the total wrong) or took points off a correct answer, etc. If you think this is what happened then you should provide the exam and a *written* explanation of the reason you believe we made a mistake to me *within a day* of the return of the exam.
8. You are permitted and encouraged to discuss homework problems with each other. Although homework will not be collected, it definitely will be beneficial as practice for quizzes and exams.
9. A tentative schedule is posted separately. It shows the topics and material in the book to be covered each day. Changes will be made to the schedule when necessary, so check it at least once a week. It is recommended that you do the reading ahead.

## **University Policies:**

Academic Dishonesty: All members of the University Community share the responsibility to challenge and make known acts of apparent academic dishonesty. Acts of academic dishonesty will not be tolerated and will be referred to the Student Honor Council. Information regarding University policies about academic dishonesty and the University's honor code may be found at: <http://www.dso.ufl.edu/judicial/procedures/academicguide.html>

Academic accommodations: If you have a documented disability and wish to discuss academic accommodations with me, please contact me as soon as possible. Information on Disability Resources can be found at <http://www.dso.ufl.edu/drp/services/>