

**STAT 4604: STATISTICAL METHODS FOR ENGINEERS**  
**Fall 2009, MWF 12:20-1:10, Saunders 409**

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**Office Hours:** W,Th 1:30-3:00, and by appointment.

**Teaching Assistant:** Zaili Fang  
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**Course Description:** Introduction to statistical methodology with emphasis on engineering applications: probability distributions, estimation, hypothesis testing, regression, analysis of variance, quality control. Only one of the courses 3704, 4604, 4705, and 4714 may be taken for credit. Prerequisite: MATH 1206.

**Documentation of Excused Absences:** If you have medical documentation or documentation from your dean's office for an excused absence, it needs to be provided upon the event occurring, not at the end of the semester. It is the student's responsibility to make arrangements in a *timely* fashion.

**Textbook:** *Engineering Statistics*, 4<sup>th</sup> Edition, by Montgomery, Runger, and Hubele. ISBN 0-471-73557-4.

**Supplemental Resources:** The statistical software package used in this class will be MINITAB. It is available for purchase on the website <http://vt.e-academy.com>. Students should refer to Blackboard frequently for updates on lecture notes, assignments, quizzes, and exam information.

**Homework:** Homework will be assigned and collected at the beginning of class on due dates. You may work together on homework assignments, but the work turned in must be yours alone. Late homework will not be accepted under any circumstance. The lowest homework grade will be dropped at the end of the semester to allow for any emergencies.

**Exams:** There will be 3 exams given during class time and a cumulative final exam given during the scheduled exam time. There are no make-up exams unless I receive a letter from the dean of your college indicating you have an approved reason for missing the scheduled exam date. An unexcused absence results in a zero for the exam.

The Final Exam is scheduled for Thursday, December 17, 2009 from 10:05 – 12:05.

**Quizzes:** There will be online and in-class quizzes. Online quizzes will be available for a specified period of time. Announcements will be made in class and on Blackboard regarding the posting date/time and the completion deadline for online quizzes. In-class quizzes may be

unannounced. No make-up quizzes will be given for online or in-class quizzes. The lowest quiz grade will be dropped at the end of the semester.

**Grading:** The standard ten point, plus-minus, grading scale will be used. Grades will be assigned based on the following percentages:

Exams (3)	45%
Homework	20%
Quizzes	10%
Final Exam	25%

You will have one week to dispute a grade received on an exam, homework assignment, or quiz from the time the grade is posted on Blackboard.

**Disability Statement:** Reasonable accommodations are available for students who have a documented disability. Please notify the instructor during the first week of class of any accommodations needed for the course. Students are responsible for arranging exam accommodations a week prior to each exam.

**Honor Code Statement:** The tenets of the Virginia Tech Undergraduate Honor Code will be strictly enforced in this course. All work on the tests and final exam must be entirely the student's own work. You will be required to pledge your exams.

Discussing assignments and getting help outside of class is both authorized and encouraged, however copying solutions from any source is considered a violation, as is sharing or re-use of a computer file. **You will be required to write the honor pledge on all graded assignments.** The Virginia Tech Honor Pledge is: 'I have neither given nor received unauthorized assistance on this assignment.'

The Honor System's website: <http://www.honorsystem.vt.edu>.

**Changes:** Any necessary changes will be announced in class and posted on Blackboard.