

**STT 467/667-01 – Winter 2009**  
**4:10–6:00pm, TTH, 134 Health Sciences**

### Course Information and Syllabus

**Instructor:** Dr. Dan Voss, Professor of Statistics, Associate Dean, College of Science and Mathematics  
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Course homepage: [www.wright.edu/~dan.voss/stt667.htm](http://www.wright.edu/~dan.voss/stt667.htm)

**Textbook:** *Applied Linear Statistical Models*, by Kutner, Nachtsheim, Neter and Li, Fifth Edition, McGraw-Hill/Irwin, 2005. The textbook comes with a CD containing data sets and a Student Solution Manual, and you will need the data for some homework assignments.

**Syllabus:** We will cover Chapters 15–23 and some supplementary material (categorical data analysis).

**Prerequisites:** MTH 253 and STT 466/666, or equivalent.

**Homework:** Read the textbook material and do any homework assignments given in class. You are always encouraged (and sometimes required) to use the SAS software for data analysis. Homework problems will regularly be assigned, collected and graded. In general, any homework problems assigned on either Tuesday or Thursday is due at the start of class the following Tuesday. You are welcome to discuss homework problems with me or with other students, but you must write your own solutions. Some “project” assignments may also be given, each requiring submission of a report and counting for more than a homework problem assignment.

**Exams:** One midterm and one final, both in-class and closed-book. The midterm exam is scheduled on Thursday, February 5, tentatively over chapters 15–18. The final exam is scheduled on Tuesday, March 17, 5:45–7:45pm in 134 Health Sciences, tentatively comprehensive.

**SAS software:** We will learn and extensively use this software package for data analysis. It is the statistical software predominantly used for statistical analysis in industry.

There are various ways you can learn and access SAS. I will provide examples in class and essentially teach you the syntax and discuss interpretation of output. The PC version, available in PC labs on campus, is generally the most current version and should include help features. As a WSU student, you can buy a temporary SAS PC license for \$20—a great deal; (see <http://www.wright.edu/software/products.html#sas> for info). The Unix version can be accessed remotely to run batch jobs if you have a Novell account; (to login: `ssh youruserid@unixapps1.wright.edu`).

Documentation is available at <http://support.sas.com/documentation/onlinedoc/sas9doc.html> and <http://support.sas.com/documentation/onlinedoc/91pdf/index.html>

**E-mail:** Please send me an e-mail message from the account you prefer using for e-mail communications to the class.

**Grades:** Your final average will be based 30% on homework, 30% on the midterm exam, and 40% on the final exam. A final average of at least 90% earns an A grade, 80% a B, 70% a C, and 60% a D.

**STT 467 WI:** STT 467 is also a writing intensive course. For students registered for the writing intensive component, all graded work will be subject to evaluation on the quality of your writing as well as statistical content, and revision may be required. In addition to the usual letter grade, a grade on your writing alone, either *pass* or *no entry*, is also given.

**Comments:** I urge you to come to class regularly, take notes, ask questions as appropriate, and come see me as necessary. Success in this class depends on your hard work. Please keep me posted about how *you* are doing with regards to the pace and style of the class. I am happy to be helpful!