

**STT 501 Applied Statistical Methods  
Fall 2009**

**Instructor:** Dr. Susan Simmons  
**Office hours:** M-F 1:00-2:00 pm

**Office:** BR 230  
**Course website:** [people.uncw.edu/simmonssj](http://people.uncw.edu/simmonssj)

**Book:** *Introduction to the Practice of Statistics*, 6<sup>th</sup> Edition by Moore, McCabe and Craig

**Software:** R and SAS

**Meeting place and time:** BR 164 on MW at 3:30-4:45 pm

**Grading:** The following grading scale will be used:

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

Grades for the class will be calculated from the following expectations:

Homework/Worksheets	40%
Midterm	25%
Final	25%
Project	10%

**Homework/Worksheets:** Homework is an essential part of learning statistics. Homework will be assigned and collected on a regular basis. Worksheets will be distributed during class and collected next class period. All worksheets must be typed and contain all pertinent output.

**Statistical software:** The programs of R and SAS will be used throughout this course. R is freely available and can be downloaded at [www.r-project.org](http://www.r-project.org). The software SAS can be obtained from ITSD.

**Midterm:** There will be one in-class midterm on Wednesday, October 21<sup>st</sup>.

**Final:** The final for this course will be on December 4<sup>th</sup> from 3:00-6:00 pm.

**Project:** A project will be due at the end of the semester. Students are responsible for collecting data analyzing data, and drawing conclusions from data.

**Academic Honor Code:** All members of UNCW's community are expected to follow the academic Honor Code. Please read the UNCW Honor Code carefully (as covered in the UNCW Student Handbook). Academic dishonesty in **any** form will not be tolerated in this class.

**Disability Services:** Students with diagnosed disabilities should contact the Office of Disability Services (962-7555). Please give me a copy of the letter you receive from Office of Disability Services detailing class accommodations you may need. If you require accommodation for test-taking please make sure I have the referral letter no less than three days before the test.

**Harassment Policy:** UNCW practices a zero-tolerance policy for violence and harassment of any kind. For emergencies contact UNCW CARE at 962-2273, Campus Police at 962-3184, or Wilmington Police at 911. For University or community resources visit <http://uncw.edu/wrc/crisis.htm>

The following is a tentative schedule

8/19-8/24	Chapter 1 – Looking at Data - Distributions
8/26-9/2	Chapter 2 – Looking at Data – Relationships
9/9-9/14	Chapter 3 – Producing Data
9/16-9/21	Chapter 4 – Probability
9/23-9/28	Chapter 5 – Sampling Distributions
9/30-10/5	Chapter 6 – Introduction to Inference
10/7-10/14	Chapter 7 – Inference for Distributions
10/26-10/28	Chapter 8 – Inference for Proportions
11/2-11/4	Chapter 9 – Analysis of Two-Way tables
11/9-11/16	Chapter 10/11 – Inference for Regression
11/18-11/23	Chapter 12/13 ANOVA
11/30-12/2	Special Topics/review

Important Dates in Fall 2009:

8/19	First day of classes
8/26	Last day for registration/drop without a grade
9/7	Labor day
10/5-10/6	Fall break
10/21	Midterm
11/25-11/29	Thanksgiving break
12/2	Last day of classes
12/4	Final exam at 3:00 pm/project due