

# Statistics 528 Syllabus

Winter 2004

## Instructor

Dr. Kate Calder

Office: 408A Cockins Hall

E-mail: [calder@stat.ohio-state.edu](mailto:calder@stat.ohio-state.edu)

Office Hours: MW 3:30-4:18pm

Office Phone #: 688-0004

## Grader

Ms. Hongfei Li

Office: 320 Cockins Hall

Email: [hongfei@stat.ohio-state.edu](mailto:hongfei@stat.ohio-state.edu)

Office Hours: TTh 9:30-10:18am

Office Phone #: 292-7538

## Course Description

Statistics 528 is a non-calculus based data analysis course designed for graduate students from a wide variety of fields of study. The aim of the course is to introduce descriptive statistical techniques, regression, design of sample surveys and experiments, basic probability, and some topics in statistical inference. We emphasize understanding and interpretation of the results of statistical procedures in addition to problem solving and data analysis. We use the Minitab software, although no previous statistical computing experience is required for this course.

**Website** <http://www.stat.ohio-state.edu/~calder/stat528/>

Important announcements, lecture notes, homework problems and solutions, computing guides, and other information about the class are posted on the course website.

**Textbook** *The Introduction to the Practice of Statistics, 4<sup>th</sup> Ed.*

by David S. Moore and George P. McCabe (required)

**Lectures** MWF 2:30-3:18pm in 312 Cockins Hall

Lecture notes will be posted on the course website before class. Please read the sections of the textbook that will be covered, and print out a copy of the lecture notes before each class. There may be parts of the notes that you should fill in during lecture, and you may need to take separate notes on examples that are not in the lecture notes. Unless instructed otherwise, you are responsible for all of the material in the sections of the book which are covered in lecture even if some of the material in the book section is not covered in class. If you are unsure if you are responsible for a particular topic, be sure to ask the instructor.

We will frequently do a review exercise at the beginning of lecture. These problems will not be collected or graded, but participation in the discussion of the solutions to them will influence your class participation grade. You should bring your **textbook** and a **calculator** to class everyday to assist you with solving these in-class problems.

## **Computing**

You will be required to learn how to do basic statistical analyses using the Minitab software. On most of the homework assignments, you will need to use Minitab to solve at least some of the problems. Please cut and paste your computer work and output into your homework solutions. We will not grade separate Minitab output. In addition to using Minitab for the homework problems, you will be expected to be able to interpret Minitab output on the exams.

The university has a lab site license for Minitab on IBM PC platforms. For a list of public computing sites at OSU with Minitab, see the course website.

## **Homework Assignments**

Homework assignments will be given approximately once a week. You are encouraged to work together on the problems, but each student must hand in his or her own work. **DO NOT COPY** any part of another student's homework including Minitab output.

Solutions to the homework problems will be posted on the course website. Late homework assignments will be accepted until the solutions have been posted on the website. Once the solutions have been posted, we will not accept late homework. If you are unable to come to class the day a homework assignment is due, you may put your completed assignment in the drop box to the left of room 413 CH. Re-grade requests on the homework problems must be submitted in writing to the course grader within one week of the day the solutions are posted.

## **Exams**

There will be an in-class midterm given (tentatively) on Monday, February 9<sup>th</sup>. The date may change and will be officially announced on the course website and in class. Re-grade requests on the midterms must be submitted to the grader in writing within one week of the day the midterms are handed back. The final exam will be on Wednesday, March 17<sup>th</sup> from 1:30pm - 3:18pm. Please bring a **calculator** to the exams.

## **Grading**

The following is a breakdown of your final course grade:

Midterm	30 %
Final Exam	45 %
Homework	20 %
Participation	5 %

Grades on the exams might be curved if necessary.

## **Special Accommodations**

If you need any accommodations based on the impact of a documented disability contact the instructor privately to discuss your specific needs. You should also contact the Office of Disability Services to coordinate special accommodations.

**Academic Misconduct**

Academic misconduct **will not be tolerated** and will be dealt with procedurally in accordance with university policy.

**Course Admission and Section Changes**

The instructor and grader will not, under any circumstances, sign paperwork regarding course admission. Go to the Statistics Department office (404 Cockins Hall) for a handout on adding and section change procedures. Changes are handled in 405C Cockins Hall.