

Statistics 403: Introduction to Quantitative Research Methods

Meeting Times/Places:

Course: B760 East Hall, 10-11:30 Tuesday/Thursday

Lab: B760 East Hall, 2:30-4 Friday

Instructor: Kerby Shedden

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Phone: 764-0438

Office Hours: Monday 4-5, Wednesday 9:30-10:30

GSI: Sahar Zangeneh

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Office Hours: Tuesday 5:30-6:30, Thursday 2:30-3:30 in 274 West Hall

Course web site: <http://www.stat.lsa.umich.edu/~kshedden/Courses/Stat403>

Description: This course introduces methods for planning, executing, and evaluating research studies based on experiments, surveys, and observational datasets. In addition to learning a set of statistical methods, students will read and report on recent research papers to learn how study design and data analysis are handled in different fields.

Coursework: Grading is based on problem sets and two exams. Problem sets will be due most Fridays, and count for 40% of the final course grade. The midterm will be on October 27th in class and the final exam will be on December 21st from 10:30-12:30. The midterm and final exam each count for 30% of the final course grade.

Lab section: The lab section will be led by the GSI each Friday. Most weeks an assignment will be due, and the graded assignment from the previous week will be returned. Assignments will be posted to the course web site at least one week before they are due.

Programming: You will be required to do some programming in R. No previous experience with R or other programming languages is expected.

Getting help: Feel free to e-mail the instructor at any time with questions. The instructor and GSI will hold office hours, and will be available at other times by appointment. You may discuss the homework problems in general terms with other students, but the responses you submit must be your own.