

MT830 Representation Theory, Fall 2008 Syllabus

Schedule: MWF 2 pm, Fulton 210

Instructor: Prof. Mark Reeder, office: Carney 322

email: reederma@bc.edu (great for quick questions or hints)

Office hours: MWF 12:30 and by appointment. Tuesdays are reserved for research and seminars.

Course website: <http://www2.bc.edu/~reederma/830F08.html>

(Or just Google me to find it. The website will contain homework solutions, $\text{T}_{\text{E}}\text{X}$ advice and maybe other things.)

Text: *Linear Representations of Finite Groups*, by Jean-Pierre Serre.

This is one of the standard introductions to and references for the subject.

Order it from Amazon this week.

Homework: It will be assigned every week or two, with a due date of one or two weeks hence. You can work on the homework with other students, but the final product must be your own.

Your homework will be submitted in some form of $\text{T}_{\text{E}}\text{X}$, preferably $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$. If you don't know about $\text{T}_{\text{E}}\text{X}$, the course website contains instructions and a template. I will also explain the main idea of $\text{T}_{\text{E}}\text{X}$ and can help you get it running on your computer.

Presentations: Two or three times during the semester, each of you will give a 20 minute lecture to the class on a topic or example that I will assign to you and help you with, if necessary. You will give this lecture without notes.

Exams: No in-class exams, but we will have a take-home final, due by: Wed, Dec 17 at high noon.

Grading: Homework: 60%, Presentations: 10%, Final: 40%