18.06 Spring 2006	
Instructor:	Tyler Lawson
Lecture time:	TR at 11:00 in 26-310
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References.

The main course textbook is *Linear representations of finite groups*, by J.P. Serre, GTM #42. Most of the lectures of the course will be based on this text. For some material from the late portion of the course the main reference is *The representation theory of the symmetric group*, by G.D. James.

Other references you might find useful:

Fulton & Harris, Representation theory: a first course.

Ledermann, The theory of group characters.

Liebeck & James, Representation theory of finite groups.

Lectures.

With very few exceptions, lectures in this course will be presented by students on material they learn from the textbook. Lectures will be distributed early in the course, and you will be assigned your material to lecture on about one week in advance. Two students will give lectures each class, with a short intermission in between. Attendance is a part of your final grade.

You will practice giving your lectures to me *before* giving them to the rest of the class.

Assignments.

There will be 6 assignments during the course, one due every two weeks. The first assignment will be given on February 9 and due February 17. Assignments are due on Fridays by 3pm. The lowest assignment score will be dropped from your final grade.

Final project.

There will be one major writing project. This is an expository paper, written in some form of T_EX , of 10 pages on a topic related to the course. There will be a choice of topics given, but please feel free to contact me if there is something specific you'd like to do as your project. It will be assigned roughly midway through the course. You will submit it twice (at least); one preliminary and one final submission. It will be due before the end of the semester.

Your final grade.

The final grade breakdown is as follows: lecturing, attendance, and audience participation 60%, homework 20%, final paper 20%. There will be **no exams**.

Problems.

If you have problems, or can't make your lecture, contact me ASAP.