

**ORGANIZATION OF QUANTITATIVE METHODS AND
MATHEMATICAL ECONOMICS
FALL 2004**

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This fall, we will teach Quantitative Methods and Mathematical Economics as one course for the first (approximately) half of the semester. During this half of the semester, first year and later year students will, together, cover the material in Chapters 1 through 5, see

<http://www.eco.utexas.edu/facstaff/Stinchcombe/Fall04outline.pdf>

for an outline (this is directly below this organizational sheet on my webpage).

The second half of the semester will cover, the first year students will cover, in great detail, the material in Chapter 6.1 through 6.6. Most of the detail will come from Casella and Berger's *Statistical Inference* (2nd edition), Chapters 1 through 9.

This means 7 hours of lecture per week, Tuesdays and Thursdays 11-12:30 and 3:30-5:30. That is a lot. In other ways, homeworks and exams, I will try to keep the work load down to that of a single course.

Second and later year students will cover Chapters 1 through 5 with the first year students. Then we will split into two classes, and the second and later year students will cover 6.1, the other pieces of chapter 6 that are not the contents of a standard mathematical-statistics course, plus Chapters 7 and possibly 8.

Grading for both classes will be based on homeworks (30%), a take-home mid-term exam (30%), and a final exam, (40%). The mid-term exam will happen at the split, that is, after Chapter 5. I encourage you to work together on homeworks. However, if you work in a group, I still expect you to understand the material, and I expect you to start acting like honest academics, that is, to put the names of your collaborators on the homework you hand in. Working with anyone on the mid-term or the final is cheating. On the mid-term, you can refer to any book or article you please, so long as you provide a complete citation.

Except for the first class meeting, I will arrange for y'all to receive hard copy of the book manuscript/material, plus a schedule, well before I cover it in lecture. It is your responsibility to read through the material before it is covered. You will, in all likelihood, be lost if you do not do this.

I would also encourage you **NOT** to take notes in class, the material I am covering is in the book manuscript, you can get so busy writing that you miss the next point. My advice is to spend the time in lecture understanding the material, which you will be seeing for the second time, and to do the homeworks so soon afterwards as possible so that you learn how to use the techniques and material we cover.