The Instructor

• **Office Hours:** 1:30-3:00 Wednesday, 1169 Heller Hall.
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- **Specializations:**
  Game theory and mathematical economics.
Course Objectives

• To develop an appreciation of mathematical modelling in economics.
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• To learn the theory of functions of several real variables, with special emphasis on issues related to maximization.
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• To learn the theory of functions of several real variables, with special emphasis on issues related to maximization.
• To solidify skills and understanding related to the mathematical prerequisites of the course.
Readings

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• *Optimization in Economic Theory* by Avinash K. Dixit.

• *Fundamental Methods of Mathematical Economics* by Alpha C. Chiang.
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• *Fundamental Methods of Mathematical Economics* by Alpha C. Chiang.

• My lecture notes from earlier versions of the course.
Assignments

- Weekly problem sets (except when there is a midterm) — 25%.
  - Plus $\LaTeX$ bonus points!
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• Two midterms — $15\% \times 2 = 30\%$. 
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• Final exam — 40%. 
Assignments

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  • Plus \texttt{\LaTeX} bonus points!

• Two midterms — 15\% \times 2 = 30\%.

• Final exam — 40\%.

• Class participation — 5\%.
Guess What

This isn’t PowerPoint ...
Guess What

This isn’t PowerPoint ... real nerds use \LaTeX. :-}
Guess What

This isn’t PowerPoint ... real nerds use \LaTeX. :-)

To prepare \LaTeX “bonus point” problem set answers, you will need one of:

• MiKTeX and WinEdt on Windows.
• OzTeX on Macintosh.
• Linux or some other version of Unix.
Guess What

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There are tutorials and reference materials on the Web for help with \LaTeX, one of which is recommended in the syllabus.
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If you are aiming at a technical career, the sooner you start learning \LaTeX the better.