Professor: David McClendon (Lunt B2, phone 7-1298, hours M 3-4, W 12-1
email: `dmm@math.northwestern.edu`)

TA: Zhe Xu (Lunt B11, 7-1953, email: `zhexu@math.northwestern.edu`)

Lectures: 2:00-2:50 MWF in Lunt 105. There is no lecture on Monday, April 6.

Discussion Sections: Tuesdays 2-2:50 in Lunt 105.

Textbook: *An Introduction to Game Theory* by M. Osborne, ISBN 0195128958.

Web: There will be a Blackboard page; additional information is posted at
`www.math.northwestern.edu/~dmm/math364spring2009.html`. In particular there
are links from this page to past Math 364 web pages (which contain old exams and
handouts) and to the textbook web page maintained by Osborne.

Prerequisite: Math 240 (linear algebra).

Course material: Elementary game theory, with an emphasis on examples. Nash equilibria, evolutionary equilibria, duopoly, signaling games, repeated games, etc. A schedule of topics for each lecture is available online and will be distributed on the first day of class. This schedule may be "tweaked" as the quarter progresses.

Grading policy: Homework average: 30%. Midterm: 30%. Final exam: 40%. If necessary, grades are curved at the end of the quarter.

Homework: There will be weekly assignments posted on Blackboard which are collected on Tuesdays during your discussion section and graded. These will mostly be questions from your textbook, but there may be problems I make up as well. This is your best practice for quizzes and exams.

Quizzes: There are no quizzes in Math 364. We will use homework assignments as a substitute for quizzes.

Midterm: There is one midterm on **Wednesday, April 29** during lecture. It is possible (but not assured) that you will be allowed to use a calculator on the exam, but you will not be able to use notes, the book, or other study aids.
You may make up an exam that you miss (whether your absence is excused or not) but a makeup exam would be considerably more difficult than the regular exam. If you miss an exam, contact the professor; you are to make up the exam at the *earliest possible time*.

Final exam: The final exam covers the whole quarter (but is more heavily weighted toward material covered after the midterm) and will take place **Monday, June 8** from **9-11 AM** (in Lunt 105). It is possible (but not assured) that you will be allowed to use a calculator on the exam, but you will not be able to use notes, the book, or other study aids. If you miss the final, you can take a makeup but the makeup final will be significantly harder.

Academic dishonesty: Papers will be monitored for "magic answers". Issues with academic dishonesty are taken very seriously and will be referred directly to the Dean's Office.