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Spring 2013

The main textbook for the course is

- An Introduction to Game Theory, by Martin Osborne (Oxford).

Lectures will be based on –but not limited to –the material in this book. Other optional textbooks you may wish to consult for a different perspec-

Below is a tentative outline of the main topics of the course.

**Topic 1 Introduction**

(01/16). Overview and logistics.

**Topic 2 Strategic form games**

(01/21 - 02/24). Dominated strategies. Iterated Elimination.  
Nash equilibrium in pure and mixed strategies.

There will be no classes on 01/21 and 01/23 (Week 2).  
Class on 02/13 (Week 5) will be rescheduled.

Midterm I (02/25)

**Topic 3 Extensive form games**

(02/27 - 03/24). Strategies. Subgame perfect Nash equilibrium.

**Topic 4 Games of Imperfect Information**

(03/25 - 04/01). Information sets. Equivalence between extensive and strategic forms.

Midterm II (04/03)

**Topic 5 Repeated Games**

(04/08 - 04/15). Repeated games. Folk Theorems.