## Theory of Games: Course Outline

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Games in Normal Form
Beliefs and Best Responses; Dominant and Dominated Strategies
Rationalizable Strategies, Mixed Strategies
Nash Equilibrium - Existence and Applications
Two Person Zero-Sum games
Correlated Equilibrium

II. Games in Extensive FormStructure, RecallCredibility and Subgame PerfectionBargainingRepeated GamesOther Applications

III. Games of Incomplete Information Bayes-Nash equilibrium First and Second Price Auctions, Double Auctions Signaling Games Forward Induction

## Texts

- 1. "A Course in Game Theory" by Martin Osborne and Ariel Rubinstein
- 2. "A Primer in Game Theory" by Robert Gibbons
- 3. "Game Theory" by Roger Myerson
- 4. "Game Theory" by Drew Fudenberg and Jean Tirole