



Course: Industrial Organization

Faculty: Inés Macho-Stadler

Term: First term

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Office Hours: upon request

Description:

This is a second year PhD course designed for graduate students who have taken core Microeconomic courses.

Objective:

The main objective is to provide students with a set of theoretical ideas and tools that are essential for the standard industrial organization studies and, in general, for applied micro and macroeconomic studies.

Outline:

(Tentative) Depending on the availability of time some of the topics below will be covered in more or less depth, or not at all.

1. Contract Theory: Moral Hazard, Adverse Selection, Signaling.
2. Monopoly pricing: Single and Multiproduct Monopolist. Price Discrimination. Vertical Control.
3. Static Models of Imperfect Competition.
4. Dynamics of Imperfect Competition.
5. Horizontal and Vertical Product Differentiation.
6. Entry, Exit and Capacity Selection. Predatory Pricing.
7. Mergers. Repeated Interaction and Tacit Collusion.
8. Innovation and R&D.

References:

Main textbook:

- Tirole, J., Theory of Industrial Organization, Cambridge, MIT Press, 1989

Other useful textbooks

- Belleflamme, P. and Peitz, M., Industrial Organization: Markets and Strategies, Cambridge University Press, 2009.
- Bolton, P. and Dewatripont, M., Contract Theory, MIT Press, 2004.
- Macho-Stadler, I. and Pérez-Castrillo, D., An Introduction to the Economics of Information, Oxford University Press, 1997.
- Shy, Oz, Industrial Organization: Theory and Applications, The MIT Press, 1997.

More references will be given during the classes.

Grading:

The final grade of the course will be mainly based on a final exam. Solving problem sets and a paper presentation or the critical reading of relevant papers will be also taken into account.