



AH2012 Industrial Organization

7.5 credits

Industrial Organization

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for AH2012 valid from Autumn 2007

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Specific prerequisites

AH2004- Industrial dynamics

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

Industrial Organization is an area where much of game theory has been developed, and also fruitfully applied to a variety of problems. As a consequence, part of the course will be devoted to developing some key game theoretic concepts. Industrial Organization is also an area where there are a great number of theories and few robust predictions (almost any observed behaviour can be rationalized under some circumstances). The empirical work we discuss will be a reality check. I believe that some of the econometric methodologies can be taken to other applications, and that a critical examination of the empirical work will be helpful for anyone who wishes to confront theories with reality.

Course contents

- Static oligopoly
- Price competition and product differentiation
- Price discrimination
- Strategic investments
- Switching costs and network externalities
- Research and development
- Repeated games and cartels
- Determinants of market structure
- Market dynamics

Course literature

Reading list will be provided by the course administration

Examination

- TEN1 - Examination, 7.5 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

The grading of the course will contain three parts:

- 1) a written exam at the end of the course; 2) a "referee report" on one published or unpublished paper;
- 3) class presentation of one paper published in a leading journal.

Other requirements for final grade

Written exam, “referee report” ,class presentation.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.