



AH2004 Industrial Dynamics 7.5 credits

Industrial Dynamics

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 AH2004 valid from Spring 2010

Grading scale

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

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

Eligibility for single course students:

- A completed Bachelor's degree in Engineering, Science, Economics or Planning including at least 30 credits in Mathematics, Statistics and/or Economics and
- documented proficiency in English B or equivalent (TOEFL, IELTS e.g)

Language of instruction

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

Intended learning outcomes

This first module provides an introduction to advanced studies in the field of economics of technological change. It both introduces a number of theoretical concepts and explain key concepts necessary to study this field. This course focuses on the determinants and characteristics of the process of industrial innovation and the implications for industrial dynamics in terms of entry, exit, growth and competition in different sectors, times and places. The course features theoretical and empirical studies of both historical and current interest, of innovation and industrial dynamics, and stresses the use of a methodology that integrates theory and history. AimThe goal of the course is that the students should learn to understand present-day innovation and technological change and their impact on the economy better, by seeking historical similarities, analogies, and, certainly also differences compared to present.

Course contents

- Innovation and Development
- Industrial Dynamics
- Dynamic Capabilities
- Dynamic models
- Strategic Control
- Institutional Foundations
- Industrial and Innovation Policy

Course literature

Reading list will be provided by the course administration.

Examination

- TEN1 - Examination, 6.0 credits, grading scale: A, B, C, D, E, FX, F
- ÖVN1 - Exercises, 1.5 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.

Assignment, written exam

Other requirements for final grade

Assignment, written exam

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.