



AH2011 Economics of Innovation 7.5 credits

Economics of Innovation

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 AH2011 valid from Autumn 2011

Grading scale

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

Education cycle

Second cycle

Main field of study

Specific prerequisites

A completed Bachelor's degree including at least 60 credits in mathematics/economics and documented proficiency in English B or equivalent (TOEFL, IELTS eg).

Language of instruction

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

Intended learning outcomes

The course aims at understanding of innovation activities and how these are transformed into technological change and economic growth. The lectures introduce concepts such as R&D and productivity, markets for technology, technological diffusions and technology policy. A major problem to be addressed is how firms learn from experience, interaction in innovation systems and R&D efforts.

Course contents

1. R&D and productivity
2. Technological diffusion
3. Technological change
4. Finance and technological change
5. Measurement and interpretation
6. Technology policy

Course literature

Handbook Of The Economics Of Innovation; Bronwyn H Hall, Nathan Rosenberg, Oxford : Elsevier 2010

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.

Other requirements for final grade

1. Assignments
2. Term paper
3. 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.