



ME2035 Globalization of Industry and Technology, Advanced Course 6.0 credits

Globalization of Industry and Technology, Advanced Course

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 ME2035 valid from Autumn 2007

Grading scale

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

Education cycle

Second cycle

Main field of study

Industrial Management

Specific prerequisites

Either a) at least 12 hp Second level courses in industrial economics/management or b) at least 6 hp First level courses in industrial economics/management plus 12 hp Second level courses in relevant engineering disciplines like industrial production, integrated product

development and logistics. It is recommended that at least one of the C-level courses should be either ME2033/4D1054 (IDT) or ME2034/4D1059 (MONTIC).

Language of instruction

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

Intended learning outcomes

The aim of the course is to:

- * provide advanced knowledge close to the research frontier on the mechanisms behind and implications of the globalization of industrial and technical activity.
- * to integrate knowledge on globalization processes from several different disciplines /knowledge areas
- * provide an advanced and broad knowledge base for qualified analyses of and participation – reactive as well as proactive - in globalized processes related to industrial and technical change on many systems levels

Course contents

The course starts with the general theories and stylized facts on globalization and puts them in their historical context. The focus, however, is on understanding the mechanisms of globalized industrial and technical activity – trade, financial flows, production/sourcing and knowledge formation/transfer – which seem to be more intensive now than was earlier the case. Processes of catching up, leapfrogging and branding policies of new industrial actors are analyzed as are the activities of transnational firms in sourcing production as well as R&D and design over the world.

The course is based on theories of international economics and of international firms as well as on parts of the general globalization discourse. The teaching consists of lectures and seminars.

Course literature

Castells, selected papers/chapters

- * Michie, 2003, Handbook of Globalization (selected chapters)
- * Ietto-Gillies, 2005, Transnational Corporations and International Production (selected chapters)
- * Kenney & Florida, 2004, Locating Global Advantage (selected chapters)
- * distributed material/compendium

Examination

- SEM1 - Seminars, 1.5 credits, grading scale: P, F
- TEN1 - Examination, 4.5 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

Active participation in seminars and approved delivery of seminar/working papers (SEM1;1,5hp). Approved written final examination (may be in the form of an home examination) (TEN1;4,5hp).

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.