



ME2032 Economics of Industrial and Technical Transformation

6,0 hp

Economics of Industrial and Technical Transformation

Fastställande

Kursplan för ME2032 gäller från och med HT07

Betygsskala

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

Utbildningsnivå

Avancerad nivå

Huvudområden

Industriell ekonomi

Särskild behörighet

Basic skills (First-level courses) in industrial economics/management, e.g. Course ME1300/4D1123 or equivalent.

Undervisningsspråk

Undervisningsspråk anges i kurstillfällesinformationen i kurs- och programkatalogen.

Lärandemål

The aim of the course is to provide basic knowledge on the economics of industrial and technical change/transformation. After attending the course students would:

- be able to know the basic concepts and notions related to the field.
- be able to use instruments to analyze innovation processes inside and outside firms and the interplay between the firm and its context
- be able to discuss the knowledge foundation for advanced studies of, and action in, environments characterized by rapid industrial and technical change

Kursinnehåll

The starting point for this course is economic analysis of direct relevance for understanding industrial and technical change. In addition to a short introduction to the microeconomic foundations of economic theory the course introduces basic concepts within the knowledge area (discipline) of industrial dynamics like innovations, innovation systems, development blocs, industrial clusters, entrepreneurship, technical change/transformation/diffusion, path dependence, etc. The main foundation for the course is innovation economics with strong connection to evolutionary and institutional economic theory which is also introduced during the course. In addition the course contains moments with connection to disciplines like history of technology, economic history and economic geography. During the course processes of industrial and technical change/transformation are studied on different systems levels e.g. firm level as well as on industry or technology level.

The teaching consists of lectures and seminars. One seminar may be in the form of a study visit.

Kurslitteratur

Basic text on microeconomics (may be a compendium)

Hall, P: Innovation Economics & Evolution (or equivalent; selected chapters)

Compendium on Industrial Dynamics with selected papers

Examination

- SEM1 - Seminarier, 1,5 hp, betygsskala: P, F
- TEN1 - Tentamen, 4,5 hp, betygsskala: A, B, C, D, E, FX, F

Examinator beslutar, baserat på rekommendation från KTH:s handläggare av stöd till studenter med funktionsnedsättning, om eventuell anpassad examination för studenter med dokumenterad, varaktig funktionsnedsättning.

Examinator får medge annan examinationsform vid omexamination av enstaka studenter.

När kurs inte längre ges har student möjlighet att examineras under ytterligare två läsår.

Övriga krav för slutbetyg

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

Etiskt förhållningssätt

- Vid grupparbete har alla i gruppen ansvar för gruppens arbete.
- Vid examination ska varje student ärligt redovisa hjälp som erhållits och källor som använts.
- Vid muntlig examination ska varje student kunna redogöra för hela uppgiften och hela lösningen.