



GRADUATE SCHOOL

GM0410 Innovations and Structural Transformation, 7.5 higher education credits

Innovations and Structural Transformation, 7,5 högskolepoäng

Second Cycle

Confirmation

This course syllabus was confirmed by School of Business, Economics and Law on 2010-07-02 and was last revised on 2017-06-08 by Faculty Board of the School of Business, Economics and Law to be valid from 2017-08-28, autumn semester of 2017.

Field of education: Social Sciences 100%

Department: Graduate School

Position in the educational system

The course Innovation and Structural Transformation is a course within the Master of Science programmes at the Graduate School, School of Business, Economics and Law, University of Gothenburg.

Main field of studies

Innovation and Industrial Management

Specialization

A1N, Second cycle, has only first-cycle course/s as entry requirements

Entry requirements

To be eligible for the course Innovation and Structural Transformation, the participant must fulfill the entrance qualifications for the Master of Science programme in Innovation and Industrial Management. For programme specific entrance requirements, see programme syllabus.

Learning outcomes

After completing the course, students will be able to:

- 1) Explain and discuss theories of the relation between technological change and the historical development of the economy, including between innovation and industrial transformation.
- 2) Summarize and explain examples of selected major trends shaping structural transformation, and analyze these from the perspective of innovation management, using relevant theoretical concepts and management tools.
- 3) Analyze the long-term development and structural transformation of a specific historical case or setting, at different levels of analysis, such as national, regional and actor.
- 4) Identify and analyze key challenges for predicting the future state of the economy and industries, including challenges this poses to innovation management.
- 5) Evaluate and reflect upon the challenges of selected major trends, and how these might influence the practice of innovation management, for specific industries.

Course content

This course aims at putting innovations and the innovating firm in a social and economic context, especially focusing on explaining the interaction between actor and structure, both for the development of innovations but also for the use of them. As such, the course content will provide the students with a thorough understanding of the challenges posed by an increasingly dynamic business context.

The first part of the course consists in a historical and theoretical overview over the development of innovations, industrial management and structural change. Theories on technological change are linked to the empirical historical development, including the relationship to broader macroeconomic trends such as industry life cycles, industrial dynamics, and business cycles.

Second, the course also covers current trends shaping structural transformation such as the increasing globalization, changing population demographics, transformative technologies, as well as the ongoing discussion regarding a shift towards a sustainable economy.

Form of teaching

The teaching is based on lectures, workshops and group work.

Language of instruction: English

Assessment

Learning outcomes will be assessed through a combination of individual written assignments, and group assignments. Individual take-home assignments and exams shall be written individually, cooperation in formulating text, tables, figures etc. is not allowed.

Participation in workshops is compulsory. Absence from compulsory elements of the course can be substituted with alternative assignments.

If a student, who has failed the same examined component twice, wishes to change examiner before the next examination, a written application shall be sent to the department responsible for the course and shall be granted unless there are special reasons to the contrary (Chapter 6, Section 22 of Higher Education Ordinance).

In cases where a course has been discontinued or has undergone major changes, the student shall normally be guaranteed at least three examination occasions (including the ordinary examination) during a period of at least one year from the last time the course was given.

The number of examinations is limited to five.

Grades

The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U).

For Pass on the course, 50% of the total of the points that are possible to achieve will be needed. For Pass with Distinction, 75% of the total of the points that are possible to achieve will be needed.

Course evaluation

The course will be evaluated upon completion. The results of and possible changes to the course will be shared with students who participated in the evaluation and students who are starting the course.