ME1033 Open and User Innovation 7.5 credits

Öppen och användardriven 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 ME1033 valid from Autumn 2012

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

This course starts with a discussion of what innovation is and how innovation relates to entrepreneurship. In this way we will also discuss the learning targets for the course and how this will be achieved. For example what skills can be expected to be learned and when can these be used, and how do these skills work in the context of your future professions as entrepreneurs, experts, developers, managers and so forth.

At the end the course, the students should be able to:

- Understand the historical context of innovation strategy and how the Internet affects innovation strategy.
- Understand how and why innovations appear in different sectors of the Economy.
- Analyze different approaches to innovation and what outcomes that can be expected.
- Understand the fundamentals of innovation communities.
- Develop skills to manage an R&D process external to a firm, e.g. the lead-user method or an innovation community.
- Increase your knowledge of real-life cases such as the Procter and Gamble "Connect + Develop".

Course contents

1. Innovation stratege

2. Sources of innovation

3. Opening up the firm

4. Barriers to innovation

5. Social structures of non-firm innovations

Each part of the course will include theory and new research, combined with exercises to analyze innovation and innovation processes in organizations.

Course literature

von Hippel, Eric (2005) "Democratizing Innovation", the MIT Press, Boston
http://web.mit.edu/evhippel/www/democ1.htm (Creative Commons License, download for free)
+ extra material (paper articles and academic articles)

Examination

- INL1 - Assignments, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- INL2 - Written Report, 4.0 credits, grading scale: A, B, C, D, E, FX, F
- SEM1 - Seminars, 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.

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.