FMF3033 Innovation Management 7.5 credits

Innovationsledning

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

On 22/06/2020, the Dean of the ITM School has decided to establish this official course syllabus to apply from autumn term 2020 (registration number M-2020-0217). M-2020-1996.

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Admitted to doctoral studies in the subjects machine design, industrial engineering or business administration.

Language of instruction

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

Intended learning outcomes

Students who have completed the course should be able to:

1. Describe the development of the research in innovation management over time;
2. Give an account of articles of fundamental importance for the research in innovation management;
3. Give an account of current research trends and development of practice in innovation management;
4. Identify and evaluate research questions in the field of innovation management and relate these to relevant theories;
5. Critically review scientific articles that treat subjects related to innovation management;
6. Compare and contrast different frameworks, models and methods for innovation management;
7. Apply existing innovation management theory on real and/or fictitious situations in organisations;
8. Relate their own research to different streams of literature in innovation management;
9. Give examples of scientific journals of importance for innovation management research and describe their specialisations and requirements.

Course contents

The course intends to give the participants a broad overview of the research in the field of innovation management. Different literature streams of importance for an understanding of innovation management are presented and discussed. Strong emphasis is placed on creative and basic articles in the field, as well as on current development trends and new research domains.

Fields that are treated are mainly:

- Different types of innovation, their origin and diffusion
- Technological shifts and innovation
- Disruptive innovation
- Innovation and strategy
- Organising innovation activities
- Knowledge, learning and innovation
- Open innovation
- Innovation networks and innovation ecosystems
- Innovation management systems
- Innovation processes
- Immaterial rights and innovation
- Innovation, risk and uncertainty

The course also intends to develop the participants' ability to review and evaluate scientific products in the innovation management area and give them knowledge of its more important scientific journals and key actors.

In the course is included also to apply framework and models on concrete practice-based cases and to relate relevant parts of the course content to the own thesis.

Examination

- INL1 - Hand in exercise, 7.5 credits, grading scale: P, 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.

If the course is discontinued, students may request to be examined during the following two academic years.

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.