Innovation Management

Programme course

6 credits

Innovationsledning

TEIO90

Valid from: 2017 Spring semester

Determined by
Board of Studies for Industrial Engineering and Logistics

Date determined
2017-01-25

Main field of study
Industrial Engineering and Management

Course level
Second cycle

Advancement level
A1X

Course offered for
- Design and Product Development
- Energy-Environment-Management
- Industrial Engineering and Management - International, M Sc in Engineering
- Industrial Engineering and Management, M Sc in Engineering
- Industrial Engineering and Management, Master's programme
- Sustainability Engineering and Management, Master's programme
- Engineering Biology, M Sc in Engineering
- Chemical Biology

Entry requirements
Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

Prerequisites
Three years of completed university studies with an engineering major.

Intended learning outcomes
When students have passed the course, they should be able to:
- account for and discuss theories connected to management of innovation processes, strategic innovation management, and technology/industry dynamics;
- on the basis of empirical examples, evaluate and apply theories in the field of management of innovation processes, strategic innovation management, and technology/industry dynamics;
- discuss the interrelationship between on the one hand technology/industry dynamics and on the other hand management of firm-level innovation processes and strategies, in relation to empirical examples.

Course content

Technology-based development is a central theme in the course. Technological development and its connection to strategy, organisation and management is studied both at an industry level, in terms of how technologies and technology-based industries change over time, and at a company level, i.e. in terms of how technology and product development activities are managed strategically and operationally within the firm. The course is organised in a number of inter-related themes, which are connected through seminars and assignments:

- Management of innovation processes
- Strategic innovation management
- Technology and industry dynamics

Teaching and working methods

The main teaching-learning activities are lectures, seminars and case study-based group work (in small groups and seminars). The theoretical platform is presented in a series of lectures in English. The theoretical perspectives are further elaborated on through one or more group assignment(s), where students are expected to actively participate and independently drive their own learning process through working with theory and case studies. Students are, thus, expected to take a large responsibility for their own individual learning.

Examination

UPG3	Individual written assignments	4 credits	U, 3, 4, 5
UPG4	Group assignments with written presentation	2 credits	U, 3, 4, 5

In order to pass the course, a pass grade is required on all assignments. Students are allowed ONE attempt within the course to revise failed assignments to get a pass grade. It is not allowed to revise assignments to get a higher grade than 3. The course grade is a synthesis of the grades on all assignments according to a scheme that is determined in advance, where the individual assignments are particularly significant. Grading will be done according to the Swedish grading scale (fail, 3,4,5). International students will also receive an ECTS grade. It might be compulsory to attend a few seminars. Attendance at voluntary seminars might be rewarded in the form of bonus points that will be included in the assessment.

Grades

Four-grade scale, LiU, U, 3, 4, 5

Other information

Supplementary courses:
Innovation and entrepreneurship, project course

Department
Institutionen för ekonomisk och industriell utveckling

Director of Studies or equivalent
Dag Swartling

Examiner
Nicolette Lakemond

Education components
Preliminary scheduled hours: 29 h
Recommended self-study hours: 131 h

Course literature
Vetenskapliga artiklar.

Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at http://styrdokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva.