HÖGSKOLAN I GÄVLE

Innovation Management and Processes 6 cr

Ledning av innovationsprocesser 6 hp

Set by Faculty of Engineering and Sustainable Development

Version	**Set at**	**Valid from**
	10/8/14	**VT2016**

Level	A1N
Education level	Second cycle
Course identifier	IEA011
Credits	6 cr
Main field of study	Industrial Economics
Subject group	Industrial Engineering and Management
Disciplinary domain	Technology 100.0 %

Learning outcomes

This course focuses on in-depth understanding of management innovation processes in theory and practice. After completion of the course, the student shall be able to

Knowledge and understanding
1. present an overview of innovation management methods, models and challenges
2. describe how innovation processes and methods can be implemented, used and managed in industrial companies and organisations

Competence and skills
3. apply methods for analysing innovation management processes in an empirical case
4. apply selected innovation methods
5. write a scientific paper that includes a theoretical analysis of innovation management processes in a real organisation

Judgement and approach
6. criticially assess innovation management and the methods used for analysing and developing innovation processes
7. reflect over societal and ethical aspects on innovation.

Course content

Introduction to innovation management and studies of innovation processes
Models and types of innovation
Knowledge creation processes and sources of innovation
Innovative organisations
External linkages and innovation in industrial networks Open innovation
Managing innovations and new product development
Strategies for innovation and learning, Outsourcing, Core competence, Innovation dilemma
Industry dynamics of technological innovation
Exploiting innovations, managing intellectual property, commercialisation and entrepreneurship
Sustainable innovation, Ethical and societal aspects on innovation

Methods for studying innovation management and processes
Statistical analysis (i.e. by SPSS) of data on innovation processes in companies
Methods supporting innovation, i.e. techniques for idea generation, systematic methods for selection and developing new products

Teaching

The course consists of lectures, case studies, practices, seminars, literature studies and project supervision.

Prerequisites

English language proficiency equivalent to (the Swedish upper secondary school) English course 6/B.
Bachelor Degree within the area of industrial engineering and management or equivalent.

Examination

Written examination, assignments and seminars, paper on innovation management and methods

Grade

A, B, C, D, E, Fx, F

Other regulations

Criteria for final grade will be handed out at the beginning of the course.

Sustainable environment

A minor part of the course content deals with sustainable development.

Module

0010	Written examination	2 cr	Grade: AF
0020	Assignments and seminars	2 cr	Grade: UG
0030	Paper	2 cr	Grade: AF