



# HÖGSKOLAN I GÄVLE

## Innovation Management and Processes 6cr

*Ledning av innovationsprocesser 6hp*

Set by Faculty of Engineering and Sustainable Development

### Version

**Set at**

**Valid from**

10/8/14

**VT2016**

<b>Level</b>	A1N
<b>Education level</b>	Second cycle
<b>Course identifier</b>	IEA011
<b>Credits</b>	6cr
<b>Main field of study</b>	Industrial Economics
<b>Subject group</b>	Industrial Engineering and Management
<b>Disciplinary domain</b>	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. critically assess innovation management and the methods used for analysing and developing innovation processes
7. reflect over societal and ethical aspects on innovation.

<b>Course content</b>	<p>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</p> <p>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</p>		
<b>Teaching</b>	The course consists of lectures, case studies, practices, seminars, literature studies and project supervision.		
<b>Prerequisites</b>	Bachelor Degree within the area of industrial engineering and management or equivalent.		
<b>Examination</b>	Written examination, assignments and seminars, paper on innovation management and methods		
<b>Grade</b>	A, B, C, D, E, Fx, F		
<b>Other regulations</b>	Criteria for final grade will be handed out at the beginning of the course.		
<b>Sustainable environment</b>	A minor part of the course content deals with sustainable development.		
<b>Module</b>			
	0010	Written examination	2cr      Grade: AF
	0020	Assignments and seminars	2cr      Grade: UG
	0030	Paper	2cr      Grade: AF