



HÖGSKOLAN I GÄVLE

Innovation Management 7.5 cr

Innovation Management 7,5 hp

Set by Faculty of Engineering and Sustainable Development

Version

Set at

Valid from

11/7/12

VT2013

Level	G2E
Education level	First cycle
Course identifier	IEG801
Credits	7.5 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 innovation management in theory and practice. After completion of the course, the student shall be able to:

1. present an overview of innovation management models, topics and challenges
2. describe how innovation processes and methods can be implemented, used and managed in industrial companies and organisations
3. apply methods for analysing innovation management processes in an empirical case
4. write a scientific paper on a selected innovation management topic.

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
Managing new product development
Exploiting innovations, managing intellectual property, commercialisation and entrepreneurship
Strategies for innovation processes, learning and knowledge
Outsourcing and innovation. Core competencies. Open innovation
Production strategies and innovation

Teaching	Innovation dilemmas. Managing the balance between exploration and exploitation			
	The course consists of lectures, case studies, seminars, literature studies and project supervision. A written literature assignment and a scientific paper that includes an empirical analysis concludes the course.			
Prerequisites	At least 60 credits on intermediate level within the area of industrial engineering and management or equivalent			
Examination	Written examination, assignments and paper on innovation management			
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 and assignments	3.5 cr	Grade: AF
	0020	Paper on innovation management and methods	4 cr	Grade: AF