



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

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| Innovation dilemmas. | Managing the balance between exploration and exploitation | | |
| Teaching | 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 |