



COURSE SYLLABUS

Management and Innovation in the Health Sector, 6 credits

Management and Innovation in the Health Sector, 6 högskolepoäng

Course Code: HMHS21	Education Cycle: Second-cycle level
Confirmed by: Utbildningsrådet Apr 13, 2021	Disciplinary domain: Medicine
Revised by: Department head Jun 20, 2023	Subject group: MT2
Valid From: Jun 20, 2023	Specialised in: A1F
Version: 2	Main field of study: Prosthetics and Orthotics

Intended Learning Outcomes (ILO)

Upon completion of the course the student should have the ability to:

Knowledge and understanding

- demonstrate a deep understanding of the technical, human, economic, organisational and social dimensions of innovation
- demonstrate deep knowledge of concepts, theories and frameworks associated with innovation and quality management in healthcare including patient safety
- demonstrate the need for businesses to have a strategic approach to be able to successfully manage innovation and technical development
- demonstrate knowledge of current innovations in the assistive technology sector
- demonstrate deep knowledge of scientific and practical methods for assessing, developing and running creative and innovative projects.

Skills and abilities

- apply knowledge gained in the course to analyse the practice of innovation management
- identify problems encountered during innovation management in the assistive technology sector and to develop solutions for these problems.

Judgement and approach

- recognise and include the knowledge and skills of others in solving complex problems
- critically assess current innovations in healthcare and the practice of innovation using arguments from theory.

Contents

- innovation – What it is and Why it Matters
- innovation in organisations
- managing innovative businesses
- developing an Innovation Strategy
- main models of innovation
- managerial strategies to shape innovative performance
- tools of innovation management to map and measure innovative activities

- diagnosis and effective solutions of innovation challenges

Type of instruction

The course is implemented through lectures, case studies and group discussion.

The teaching is conducted in English.

Prerequisites

The applicant must hold a minimum of a Bachelor degree or equivalent (i.e. the equivalent of 180 ECTS credits at an accredited university) in prosthetics and orthotics or mechanical engineering. Proof of English proficiency is required. Also, the applicant must successfully have completed the courses Co-production in Health and Welfare, 7.5 credits and Quality improvement in Health and Engineering, 7.5 credits.

Examination and grades

The course is graded A, B, C, D, E, FX or F.

Examination of the course will be based upon one individual written assignment.

A senior lecturer serves as examiner for the course.

Registration of examination:

Name of the Test	Value	Grading
Individual written assignment	6 credits	A/B/C/D/E/FX/F

Course literature

Barlow, J. (2017). *Managing innovation in healthcare*. World Scientific Europe Ltd.

Additional relevant journal articles and literature resources will be used.