



KURSPLAN

Innovation Project, 7,5 högskolepoäng

Innovation Project, 7.5 credits

Kurskod:	HIPR21	Utbildningsnivå:	Avancerad nivå
Fastställd av:	Utbildningsrådet 2020-11-17	Utbildningsområde:	Tekniska området
Reviderad av:	Utbildningsrådet 2024-05-14	Ämnesgrupp:	MA2
Gäller fr.o.m.:	2025-01-20	Fördjupning:	A1N
Version:	2	Huvudområde:	Produktutveckling

Lärandemål

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

Kunskap och förståelse

- demonstrate basic knowledge of legislation on intellectual property rights
- demonstrate comprehension of methods to evaluate conceptual designs
- demonstrate knowledge of different design methods.

Färdighet och förmåga

- create requirement specifications for new products
- critically evaluate conceptual designs
- demonstrate enhanced creativity and innovation in design.

Värderingsförmåga och förhållningssätt

- demonstrate an understanding of how to conduct an innovation project towards a desired goal.

Innehåll

The course includes the following elements:

- requirements specification
- innovation support
- creative thinking
- Intellectual property rights (IPR)
- innovation project management
- conceptual design evaluation
- innovation projects in assistive technologies

Undervisningsformer

The course is implemented through lectures, case studies, written assignments and group tutorials.

Undervisningen bedrivs på engelska.

Förkunskapskrav

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.

Examination och betyg

Kursen bedöms med betygen A, B, C, D, E, FX eller F.

Examination of the course will be based upon one individual written assignment including group seminars and submission of personal reflection assignments. Examination elements include workshops and laboratory sessions which will only be provided once per group of students during the course, due to the complexity and one-off nature, and required sequence of this content.

A university senior lecturer serves as examiner for the course.

Poängregistrering av examinationen för kursen sker enligt följande system:

Examinationsmoment	Omfattning	Betyg
Assignment	7,5 hp	A/B/C/D/E/FX/F

Kurslitteratur

Ulrich, K. T., Eppinger, S. D., & Yang, M. C. (2020). *Product design and development* (Seventh edition (international student edition)). McGraw-Hill Education.