KURSPLAN
Examensarbete i Informatik, 15 högskolepoäng

Final Project Work in Informatics, 15 credits

Kurskod:	TEIT22	**Utbildningsnivå:**	Avancerad nivå
Fastställd av:	VD 2021-03-01	**Utbildningsområde:**	Tekniska området
Reviderad av:	Utbildningschef 2023-05-03	**Ämnesgrupp:**	IF1
Gäller fr.o.m.:	2024-01-01	**Fördjupning:**	A1E
Version:	3	**Huvudområde:**	Informatik

Lärandemål

After a successful course, the student shall:

Kunskap och förståelse
- demonstrate comprehension of the main field of study, including knowledge of the fields' scientific foundation, proven experience and methodology
- display knowledge and in-depth insight into a selected area within the field of study as well as the current research and development within that selected area

Färdighet och förmåga
- demonstrate the ability to search, gather, evaluate, and critically interpret relevant information, to create a problem formulation and critically discuss phenomena, issues and situations
- demonstrate the ability to, with a holistic view, independently and creatively identify, formulate and manage problem formulations
- demonstrate the ability to independently identify, formulate and solve problems as well as with adequate methods plan, implement and evaluate the work within a given framework
- demonstrate the ability to orally, in writing and in dialog with others explain and discuss information, problems and solutions
- demonstrate the ability to critically and systematically apply knowledge and model, simulate, predict and evaluate events based on relevant information

Värderingsförmåga och förhållningssätt
- demonstrate the ability to apply the knowledge and skills acquired during the programme and to identify the need of further knowledge development
- demonstrate the ability to make judgements with regard to relevant scientific, social and ethical aspects within the main field of study
- demonstrate the ability to identify one's own need for further knowledge and to continuously develop one's own competencies
- demonstrate an understanding of the opportunities and limitations of technology and knowledge within society and the human responsibility for their use, including for the work relevant social and economic aspects as well as environmental and sustainability aspects

Innehåll

The student will (working individually or in a group) conduct a final project work demonstrating the students' ability to apply, critically use and develop to knowledge gained during the programme studies. The student can choose to work independently or together with a companies, organisations or authorities.

The course includes the following elements:
- Problem Formulation
- Project planning
- Collection, processing and analysis of data
- Project implementation
- Reporting
- Oral presentation and opposition

Undervisningsformer

The course shall follow the instructions for thesis work established at JTH.

Undervisningen bedrivs på engelska.

Förkunskapskrav

The applicant must hold a minimum of a Bachelor's degree (i.e. the equivalent of 180 credits at an accredited university) with an approved thesis work at first cycle and completed courses comprising 15 credits in the Master's program

Examination och betyg

Kursen bedöms med betygen 5, 4, 3 eller Underkänd.

The course is examined through a written report, oral presentation of the report, and opposition of another group´s report. A grade for the course is received only after passed grade for all examination parts. The grade is set using a specific grading template.

The final project work must be terminated within 12 months from the approval at the start of the course, although special reasons may lead to a prolongation of this time frame.

Poängregistrering av examinationen för kursen sker enligt följande system:

Examinationsmoment	Omfattning	Betyg
Examination	15 hp	5/4/3/U

Övrigt

The programme manager can grant an exemption from the points requirements under Prerequisites. No exemption will be made to the required Bachelor degree.

Kurslitteratur

The literature list for the course will be provided 8 weeks before the course starts.

Relevant literature is chosen based on the thesis topics in consultation with the supervisor. The student has the main responsibility in this process.