Education plan

for

Master's Programme in IT Project Management
Masterprogram i IT-projektledning

120.0 Higher Education Credits
120.0 ECTS credits

Programme code:	SITPO
Valid from:	Autumn 2013
Date of approval:	2010-09-08
Changed:	2013-06-11
Department:	Department of Computer and Systems Sciences

Decision

This programme syllabus was approved by the Social Sciences Faculty Board 2010-09-08. Revised 2013-06-11

Prerequisites and special admittance requirements

Bachelor's degree (fil. kand) with at least 60 hp in the field of Computer and Systems Sciences or equivalent. English B or equivalent.

Programme structure

The programme is provided entirely as a distance based programme with support from teachers and supervisors.

The study pace of the programme is flexible; hence it is feasible to attend the programme part time.

Goals

Knowledge and Understanding
For a Degree of Master the student shall:

- demonstrate in-depth knowledge in project methodology, administration and planning
- demonstrate in-depth knowledge of how a project starts, how it is managed and handed over
- demonstrate knowledge of the IT business culture, its norms and how projects are managed in the IT business
- demonstrate knowledge of supporting tools for project leaders
- demonstrate in-depth methodological knowledge in Computer and Systems Sciences, in particular in project methodology
- demonstrate knowledge and understanding in the field of Computer and Systems Sciences, including both broad knowledge in the field and a considerable degree of specialised knowledge in certain areas of the field as well as insight into current research and development work.

Competence and skills
For a degree of master the student shall:

- demonstrate the ability to lead and manage IT projects
- demonstrate the ability to work with different supporting tools
- demonstrate the ability to carefully choose and apply different project models depending on situations and

needs
- demonstrate the ability to create and develop work groups
- demonstrate the ability to lead and assign work in IT projects
- demonstrate the ability to critically and systematically integrate knowledge and analyse, assess and deal with complex phenomena, problems and situations even with limited information
- demonstrate the ability in speech and writing to clearly report and discuss own conclusions and the knowledge and arguments on which they are based in dialogue with different audiences, and
- demonstrate the skills required for participation in research and development work or autonomous employment in some other qualified capacity.

Judgement and approach
For a degree of master the student shall:

- demonstrate insight into how organizations utilize IT and the role of IT in organizations
- have understanding of new trends in the field
- demonstrate the ability to identify the personal needs for further knowledge and to take responsibility for own continuous learning
- demonstrate the ability to make assessments in the main field of study informed by relevant disciplinary, social and ethical issues and also to demonstrate awareness of ethical aspects of research and development work
- demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used.

Courses
First Semester
Practical Project Management, 7,5 credits
Business Strategy and IT projects, 7,5 credits
Information and Communication in IT projects, 7,5 credits
Scientific Communication and Research Methodology, 7,5 credits

Second Semester
Leadership in IT projects I, 7,5 credits
Leadership in IT projects II, 7,5 credits
IT project methodology, 7,5 credits
Research Methodology for Computer and Systems Sciences, 7,5 credits

Third Semester
Controlling IT projects, 7,5 credits
Business Law, 7,5 credits
Workplace training, 15 credits

Fourth Semester
Master Thesis in Computer and Systems Sciences, 30 credits

Degree
The program leads to a Degree of Master of Science in the main field of study: Computer and Systems Sciences.

Misc
Students who have been admitted to the program but have not finished the program during the two years period may ask to finish the program even after the program is ended. In this case limitations specified in the courses syllabi are applied.

The language of tuition is English.