Program Integrating Course DD2300
Second Year

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2015–2016 + **2016–2017**

Course Goals and Implementation

Master's Thesis

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Master's Thesis

Course contents

- How do second-cycle studies at KTH work?
- What may a computer scientist do after graduation? Study visits.
- The aim and parts of the Master's programme: courses, tracks and master thesis.
- Self-reflection - what do I want with my education?

Learning outcomes

After the course, the students should be able to:

- compare different **workplaces and professions** relevant to computer scientists,
- critically review and reflect in a deeper way over both the set-up and implementation of **the education** as well as the situation of the studies,
- plan and carry out **assignments** within stipulated time,
- identify their need of additional knowledge and continuously develop their skills in relation to the objective of the course and the **future professional role**,

in order to

- obtain the most of the education in a **long-term perspective**, influence the development of the program.

Implementation

What do we do during this course?

- ▶ 8 reflection seminars
- ▶ Visits to IT companies
- ▶ Information about specializations (tracks)
- ▶ Information about master's thesis project

Reflection seminars

Mentors

Group numbers	Mentor	Department
1-2	Örjan Ekeberg	CST
3-4	Erik Fransén	CST
5-6	Sonja Buchegger	TCS
7-8	Mads Dam	TCS
9-10	Viggo Kann	TCS
11-12	Mårten Björkman	RPL
13-14	Stefan Nilsson	TCS
15-16	Joakim Gustafson	TMH
17-18	Sten Ternström	TMH
19-20	John Folkesson	RPL
21-22	Danica Kragić	RPL
23-24	Tino Weinkauf	CST

Reflection seminars
Topics

1. The computer science master's program.
2. The study visit and employability.
3. International opportunities and contexts.
4. Education in retrospect, Life-long learning.
5. The computer science master's program revisited.
6. The study visits.
7. Specialization and the master's thesis.
8. Scientific, social and ethical aspects of computer science.

Comments from last year

- The course becomes what you yourself make of it.
- Quality of study visits varied alot between companies visited.
- Does critique about courses actually reach the responsible persons?
- Write reflection comments early (before everyting has been said).

Changes from last year

- More mentors.
- Mentors directly involved in the specialization tracks.
- More time to write and comment on reflections.
- Better instructions to companies hosting study visits.

Master's Thesis

Master's Thesis

- Investigation/analysis of a larger problem
- Scientific approach
- Interesting for a broader public
- Part of the specialization
- Approved project plan

Master's Thesis

- Project plan: specification and time plan
- Literature survey; esp. scientific articles
- Qualified investigation and/or analysis work
- Report (introduction, method, results, analysis and conclusions)
- Oral presentation
- Review of another students thesis