Welcome to Sweden

Advanced Computer Science Studies in Sweden, 5.0c 33% DAG NML, Autumn 2017,
Course code: 1DT032, Report code: 11210

Introduction to Studies in Embedded Systems, 5.0c 25% DAG NML, Autumn 2017,
Course code: 1DT086, Report code: 11211

Johan Snider
Did you read stuff on the website?
If not…

The education will give the students detailed knowledge in the main field of computer science. The emphasis is on **analytical ability** and knowledge that will be of long-term benefit in an area in the process of rapid development. The program thus does not focus on any particular programming languages, hardware platforms or operating systems. Those who have completed the program are able to:

- perform critical analysis
- apply their knowledge in the field of computer science
- independently acquire new knowledge required.

The education prepares students for active participation in research projects, either as graduate students or in industrial research projects, as well as for advanced professional activities in a broad field.

Demo: How to use technology

- Syllabus for CS Program
- Watson
Let’s get to know each other

Magic Link
Course Overview

- Four modules (modules are like sections or chapters)
  - Module 0 - Intro to C Programming
  - Module 1 - Code Jam
  - Module 2 - Academic Paper Review
  - Module 3 - Digitalocean Project

If this confuses you, start studying now.
Module 0 - Intro to C Programming

- Starts today!
- Lecture and lab sessions tomorrow (Tuesday) and Wednesday next week
- Aimed for students with a weak background in programming
- Individually or in pairs
- **Mandatory** submission through studentportalen

Submission deadline: FRIDAY 8/9 at 17.00
Module 1 - Code Jam

- Also starts today! (Parallel Assignments)
- Based on the 2017 Google Code Jam
- Solve 2 of 4 problems
- 3 workshops in the next two weeks
- Submit solutions and README via studentportalen (check your solutions before you turn them in!)

Also... How many of you have laptops?

Also... Academic honesty
Interjection:
Noun
an abrupt remark, especially as an aside or interruption.

Tuesday 12/9
- Guest lecture Helena Bernàld
- Topics in Intercultural communication in CS projects

Don’t miss it!
Module 2 - Academic Paper Review

Kickoff Date: Monday 18/9 15:15 - 17:00 (in this room {1211})

- Groups of 4 students (you’ll be assigned)
- Select a paper published at the department (any group)
- Write a 4-6 page review (w/ your group) of that paper*

Preliminary deadline: Friday 6/10
Module 2 - Academic Paper Review

Also as part of this module there will be lectures in:

- Academic writing
- Academic presentations
- Academic honesty

Note: Lots of Academia

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Also note: You’re not required to attend the lectures, but you’re responsible for learning the material.
Module 3 - Digitalocean Project

Estimated Kickoff date: Tuesday 10/10

- Groups of 4 students
- Stand up a virtual web server
- Make a group website
- Make a presentation about the website (w/ demo)

Presentation (w/ demo): Tuesday 24/10 and Wednesday 25/10

Question: GitHub Student Pack?
Module 3 - Digitalocean

Pick any web technology (lots of documentation on DigitalOcean)
- Linux, Apache, MySQL, PHP (LAMP)
- Node.js

Publish info about yourself and your team on the website. Can include:
- Where you are from?
- What’s your background in
- What are you interested in
- Assignments from this course (paper review + code jam)
Module 3 - Digitalocean

For the presentation:

● Everyone should present themselves
● Give an overview of the technology used to build the website
● Give a demo of the website

*The length of the presentation will be decided at a later time

Homework: Use your UU email address to apply for a student developer pack with GitHub here: https://education.github.com/pack
Module Review

- Module 0 - Intro to C Programming
  - Submit via external website
- Module 1 - Code Jam
  - Studentportalen submission: Code (w/ README)
- Module 2 - Academic Paper Review
  - Studentportalen submission: 4-6 page paper
- Module 3 - Digitalocean Project
  - Presentation with demo of website
Questions?

- Having students in embedded systems do a project in web development super sucks
Practical Info

- Notes on studentportalen
- Notes on thesis project
- Notes on... the Swedes

Note: Lots of notes
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Studentportalen overview
(eng. the student door)

- Kinda like moodle?
- See your courses
- Turn in assignments
- Get frustrated when you don’t understand things

Things you should see:
- This course!
- Your Masters Program
- Your profile

Rule #1: No complaining about Studentportalen, unless you can make something better
Studentportalen demo

- Assignments
- Groups
- Uploads/downloads
Thesis Overview

Timeline:
- Find a project
- Write a specification
- Do the project/write the paper
- Present the thesis

Advice: Start to think about what field you want to do your thesis in

This is the best website in the world: CS Thesis Project
Notes on... the Swedes
WELCOME TO SWEDEN!

https://thesocialguidebook.se/blogs/the-social-guidebook-to-sweden/welcome-to-sweden
“Two things make [living in Sweden] challenging”

The climate and Connecting with Swedes

“They are often shy, reserved, well behaved, well organised, calm, efficient, pragmatic and serious”

“When swedes are sober, rigid norms frame their social interactions”

“If you do not obey these unwritten social norms, you may easily end up not succeeding socially”

https://thesocialguidebook.se/blogs/the-social-guidebook-to-sweden/welcome-to-sweden
How to make Swedish friends
In most places in the world:

https://thesocialguidebook.se/blogs/the-social-guidebook-to-sweden/how-to-make-swedish-friends-rule-1
In Sweden
Cheers!