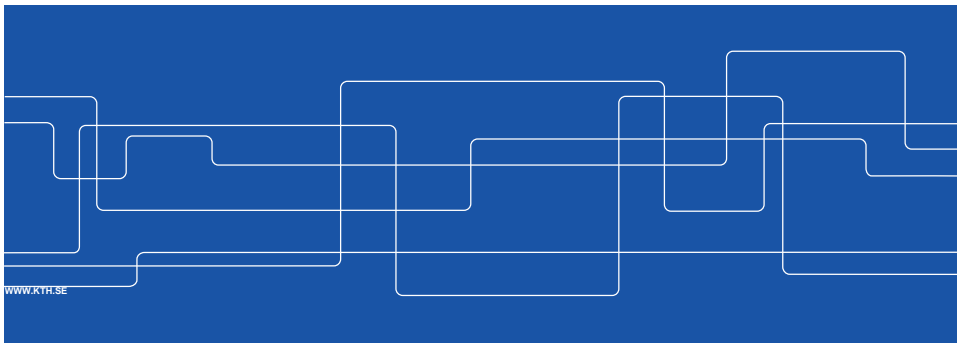




Communication Systems Design (CSD) IK2200: Lecture 2, 2014

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Course mechanics

Course web page

- KTH Social <https://www.kth.se/social/course/IK2200/>
- Notice *only* IK2200, 15-credit version

Project web pages

KTH Social <https://www.kth.se/social/course/IK2200/>

Kickoff, Midterm, and Final Workshop

Electrum 301

Workspace:

All project teams can make use of the shared workspace in room 211 in the Electrum building for their work.

Communication with the teaching team

Moodle, <https://moodle.ssvl.kth.se/course/view.php?id=30>

Email dmk@kth.se for enrolment key if you don't have it



Teaching team's expectations of students

Students taking this course are expected to:

- Fulfill the prerequisite requirements.
- Not underestimate the challenge of the course.
- Pull-their weight in the project.
- Contribute to the course by being engaged in the dialogue during seminars and on the web.
- Observe KTH rules and regulations.

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Timing

Kickoff workshop week 0 (35): 26-29 Aug.

- Draft plan outline on website: 4 Sep. 12:00
- Complete version 1.0: Thu 11 Sep. 12:00

Midterm workshop week 10 (45): 22-23 Oct. 9-17

Including peer reviews, presentations, feedback

Final Workshop week 19: 07-08 Jan. 2015

- Press release, Video, Report, and Presentations 07 Jan.
- Exhibition 08 Jan.
- Lessons learned

Progress reporting

- Reports are due every Sunday noon
- Meetings with the teaching team every Monday 13:00 tentatively

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Forming project teams

- Team size is six people
- Teams have to be formed by September 1, 23:59
- As soon you have formed a team, email dmk@kth.se with
 - Team name
 - Team members (⇒ **one** email per team): name, master program
 - Your ranking of projects in decreasing order of preference (one ranking per team)
- If you fail to join a team, send an individual email to dmk@kth.se with your desired project ranking and a CV before Sep. 1, 23:59
⇒ The teaching team will assign you to team+project
- The teaching team announces the teams and projects on Sep. 2

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Working within a team

- Create a group on KTH social for the project web site
- Work together on the project plan
- Subdivide the work (volunteer?) and document in the plan
- Agree who will be updating the project web site, compiling weekly reports, midterm report, and the final report
- Decide who will give a demo, put together the poster, etc.
- Note: every team member should be able to give the final presentation (in full) and answer questions

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Group webpage on KTH social

1. Create a group named IK2200_HT14_<groupname>, visible publicly <https://www.kth.se/social/group-create/>

more instructions at

<https://www.kth.se/social/group/virtuellt-campus/page/groups-2/>

you need to add the teaching team, with Administrator rights.

dejanko@kth.se

kirillb@kth.se

katsikas@kth.se

Postings should be public, excluding weekly reports.
You can have a section Internal for group members.

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Communication in Moodle

Once we announce groups/names, Voravit will create groups in Moodle that observe your chosen names

Group discussion will be public, you will get notifications

- I will too, to make sure everything is going well
- This is where you can ask for help

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Versioning control

For code you will use git

- Voravit is investigating if KTH is providing something or,
- We can use bitbucket.org
- Peter will talk about git, code reviews, working on the project: Tuesday, Wednesday, and Thursday (Sep 9-11)
→ Work on your project plans this week!

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Project plan (main points) for Sep 10

Project plan template adopted from II2202 with modifications to include items from the IK2200 template

1. Background
2. Problem statement, Problem, Hypothesis
3. Goal, Deliverables,
4. Approach, Tasks, Method
5. Gantt diagram and milestone chart (time schedule)
6. Risk analysis: risk, severity, mitigation, contingency
7. References

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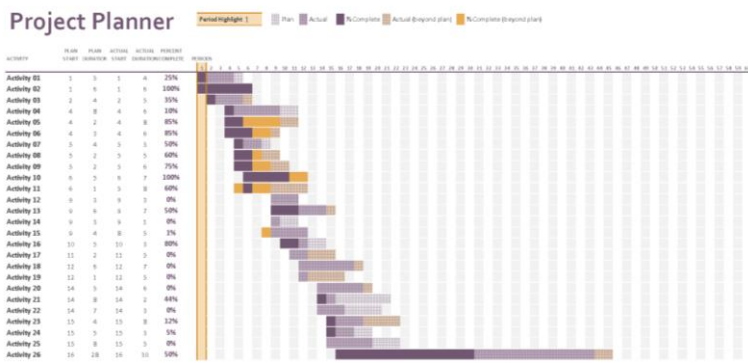
Project plan outline (Sep 4)

1. Background
2. Problem statement, Problem, Hypothesis
3. Goal

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Microsoft Excel 2013 Gantt example



You have access to MS Project at KTH!

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Government-specified learning objectives: Master of Science

Master of Science

Target

- MSc students must demonstrate the knowledge and skills required to work independently as a civil engineer.

Knowledge and understanding

MSc students must:

- Demonstrate knowledge of the chosen technology, the scientific basis and proven experience and insight into current research and development, and
- Demonstrate both broad knowledge in the chosen field of engineering, including knowledge of mathematics and science, and substantially deeper knowledge of certain parts of the area.

Skills and abilities

MSc students must:

- Demonstrate an ability to holistic, critically, independently, and creatively identify, formulate and manage complex issues and to participate in research and development and thereby contribute to the development of knowledge;
- Demonstrate an ability to create, analyze, and critically evaluate different technical solutions,
- Demonstrate an ability to plan and use appropriate methods to carry out advanced tasks within specified limits,

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Government-specified learning objectives: Master of Science (continued)

- Demonstrate an ability to critically and systematically integrate knowledge and demonstrate the ability to model, simulate, predict, and evaluate the events even with limited information,
- Demonstrate an ability to develop and design products, processes and systems with a view to human conditions and needs and society's objectives for economically, socially, and ecologically sustainable development,
- Demonstrate the capacity for teamwork and collaboration in groups of different composition, and
- Demonstrate an ability to both national and international, orally and in writing in dialogue with different groups clearly present and discuss their conclusions and the knowledge and arguments that form the basis for these.

Values and attitudes

MSc students must:

- Demonstrate an ability to make judgments with regard to relevant scientific, social and ethical aspects, and demonstrate an awareness of ethical aspects of research and development activities;
- Demonstrate insight into the possibilities and limitations, its role in society and the responsibility for its use, including social and economic aspects, environmental and social aspects, and
- Demonstrate an ability to identify the need for further knowledge and to continuously upgrade their skills.

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