

## Course information

### Learning activities

The course consists of lectures, lab works, seminars and one final computer-based exam.

### Lectures

Lectures are supported by use of PDF-presentations that are uploaded to LISAM to the folder *Course Documents*

### Labs

Attendance of the lab sessions is not obligatory but it might be difficult to complete the labs without supervision so it is recommended to attend these sessions.

Students must discuss their lab solutions in a group (groups will be setup on the first Lab) and compile a collaborative report showing the results and the code. **If the group is presenting** then it should be done in such a way that the report document can directly be used for a presentation at the seminar (but code is still to be provided). **Attention: there is a deadline for such a report!** The document should clearly state the names of the students that participated in its compilation. This report should be submitted via LISAM as a **.PDF** (alternatively in case of problems emailed to [krzysztof.bartoszczak@liu.se](mailto:krzysztof.bartoszczak@liu.se) or the appropriate lab assistant) **before the report deadline**.

The file should be named *Group X.pdf* where X is the group number. Please also include your names in the report.

The collaborative reports are corrected and graded by the teacher. A student is PASSED on the lab if the group report is PASSED.

### Seminars

Attendance of the seminars is **obligatory**; each seminar involves a discussion of the latest labs. Each group will be assigned to present their lab report at some seminar (see Seminars.PDF) and some other group will be assigned to be opponents. Each member of the opponent group should prepare **at least two questions, comments, improvement or suggestions** to the speaker's group report. It is important that the opponents submit their individual and group reports within the deadlines as they will be provided with the group report prior to the seminar. The seminars are deliberately set a while after the labs to reinforce material before the exam.

The presenting group is recommended to provide their presentation as a **.PDF**. Otherwise the group has to arrange for their own laptop for presenting at the Seminar.

### Missed seminars or solutions after deadline

- If you miss the deadline for a lab solution, you must submit the solution anyway, and in this case some penalty assignments may also be given.
- There is a final deadline of **23:59 1 April 2019** for all the hand-ins. After this date **NO** submissions nor corrections will be accepted.

- Please contact the course leader **in advance** if you are speaker or opponent and cannot come to the seminar you are responsible for.
- If you miss a seminar, you need to submit a completely correct solution of the lab(s) discussed at this seminar, and some penalty assignments may be given.
- If you miss two or more seminars, the laboratory part is graded FAILED and you are forwarded to attend the same series of the seminars in the next year course.

## Exam

Exam is akin to labs, the only difference is that you are given certain amount of hours and that you are not allowed to communicate with others in any way. The material that you are allowed to use at the exam: the course book and a PDF document containing max 100 pages of the text and figures (all content of the document should be well visible at 100% scale)