

Course information for 732A99/TDDE01/732A68

Learning activities

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

Lectures

Lectures are supported by use of PPT/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 very challenging to complete the lab without supervision, so it is recommended to attend these sessions.

Labs are supposed to be **solved individually**, even though the students can exchange the ideas within the group. Each student must send his or her lab solution by using the functionality “Submit” of the respective lab in LISAM/Submissions. **Attention: there is a deadline for each lab!**

The file should be named *Name_LastName.pdf*

In addition, students must discuss their lab solutions in a group (see groups in Groups.PDF at LISAM/Course documents) and compile a collaborative report showing the results and the code in such a way that the report document can directly be used for a presentation at the seminar. Since the lab report normally contains 3 assignments and the amount of members in a group is normally 3, it implies that each group member may contribute with one assignment to the group report, and after such a group report is compiled, all group members need to go through this report and approve its contents and, if necessary, make corrections and modifications in the group report.

The final document should clearly state the names of the students that participated in its compilation and provide a short description of how each student contributed to the report. This report should be submitted to LISAM by using the functionality “Submit” of the respective group lab submission in LISAM/Submissions **before the deadline**.

The file should be named *Group X.pdf* where X is the group number

The collaborative reports are corrected and graded by the teachers; the individual reports are also checked, but a feedback on them will not be given. A student is PASSED if the group report is PASSED and the individual report has a reasonable quality; otherwise, the student gets “FAIL” with the requirement to correct the mistakes in the **individual report**.

Some number of Special Tasks will also be published during the course. These tasks are optional and assumed to be done individually. If you get passed for all these tasks (or at most one failed) and get at least 14 points at the exam, you will obtain two extra points.

Seminars

Each seminar involves a discussion of the latest labs. Specific groups are assigned to present lab solutions, see “Seminars.PDF” at LISAM/Course documents. Each student in these groups must be prepared to individually present an arbitrary part of the lab (including the codes!) at the seminar by using the PDF of his/her group report, and the selection of the speakers is done randomly during the seminar. **Note that all students in the group must be able to report and explain all results and all codes in the group report at the seminar (not only their own results or codes)!**

For each seminar, there are groups that act as opponents to the lab solutions provided by the speakers, see “Seminars.PDF” at LISAM/Course documents. The opponent group should examine the group report of the speaker group in advance (before the seminar) and prepare a **minimum of 3 questions/comments/improvement suggestions** to each assignment of the laboratory work. The opponent group is assumed to ask these questions during the seminar.

Seminars are obligatory for speakers and opponents; the other students are highly recommended to attend the seminars but their attendance is not obligatory.

Students from TDDE01 and 732A99/732A68 will present a slightly different set of assignments but students from all groups are advised to listen carefully to all presentations; ideas and codes needed for solving these assignments may be used at the exam. It is therefore also recommended to check all assignments discussed at the seminar before the exam (i.e. not only those that were given at the lab to your course group). You are advised to take the text of the lab assignments, your solutions to the assignments and a laptop with you to the seminar so that you can make remarks in your report directly during the seminar.

Missed seminars or solutions after deadline

- If you miss the deadline for a lab solution, the next submission opportunity will be during the second examination, and the last attempt is during the third examination.
- If you miss a seminar where you have a speaker or an opponent role, you will need to participate in a similar session the next time the course is given (in one year).

Exam

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