

## Course information for 732A99/732A68

### Learning activities

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

### Lectures

Lectures are given as streaming Zoom sessions supported by use of PPT/PDF-presentations. The presentation slides are uploaded to LISAM to the folder *Course Documents*. **The lectures will not be recorded.** Lecture attendance is not obligatory. To attend lectures, use the following link:

<https://liu-se.zoom.us/j/68329634317?pwd=QlZsYkxIL2c1cWVEdDZMMEt5WmtMUT09>

Meeting ID: 683 2963 4317

Passcode: 361329

### Labs

The labs are given at campus, see the schedule for details. 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 in the fixed groups decided by the teacher, and the group report should be sent **before the deadline** via "Submit" functionality in LISAM Submissions.

The lab normally contains 3 assignments, and a group normally contain three persons. To get necessary Machine Learning skills (in particular, for the exam) **each student needs to individually solve all lab tasks during the course.** However, it is suggested that one student has the main responsibility for one assignment in the group report, and this assignment is to be contributed by the group member into the group report. After that, the group is expected to have a discussion and agree on whether the group members believe that all tasks in the group report are solved correctly, and if not, the group report needs to be adjusted. The group report is expected to show the results and the code in such a way that the report document can directly be used for presentation at the seminar. All codes are also expected to be available in the appendix of the report.

The file should be named *Group\_X.pdf* where *X* is your group number.

It is also required that the students include the Statement of Contribution in the group report that explains the details of how each member has contributed into the group report. Each group member must contribute equally to the group report. **If the Statement of Contribution is missing the lab report will be failed.**

## Extra lab sessions

It can sometimes be hard to individually complete all three lab assignments during the allocated lab time period. Accordingly, there are allocated lab supervision sessions in the end of the course where the students can work with the lab assignments which they didn't have time to solve individually during the ordinary lab time.

## Special Tasks

Some number of Special Tasks will also be published during the course. These tasks are optional and assumed to be **done individually without any teacher help**. If you get completely correct answers for at least two out of three tasks, and get at least 14 points at the exam, you will obtain two extra points. No detailed feedback on the Special Task submissions will be given.

## Seminars

Each seminar is a Zoom session that 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.**

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.

The following link can be used to access the seminars:

Join Zoom Meeting

<https://liu-se.zoom.us/j/64106674220?pwd=SmQ4bDE5cER1UmJpQW1lRTdnMlo1Zz09>

Meeting ID: 641 0667 4220

Passcode: 600338

**When joining the meeting, it is crucial that your name is displayed correctly in Zoom. Otherwise, your attendance might not be registered correctly. Specify your Zoom name as *FirstName LastName (LIU-ID)*, e.g. "Anders Andersson (anand111)".**

## Question Time Session

In the end of the course, there is a scheduled Question Time Session via Zoom. The attendance is not obligatory and if you plan to attend you may use the Zoom link for the lectures.

## Missed seminars or solutions after deadline

- Each lab has a deadline
  - If submitted more than 70% of solutions before deadline but got FAIL next submission is in January. In this case, **you will get a feedback on your mistakes.** Note that reports need to be complete to get PASS.
  - If submitted less than 70% of solutions before deadline the report is automatically failed and **no feedback on it is given.** The next submission is in January.
  - If the report is not submitted before the deadline, the next submission opportunity is in January.
  - The reports that are failed after the January revision can be submitted again around the second reexamination time (March-April).
- If you miss a seminar where you are either speaker or opponent, you need to attend this seminar during the next study year, i.e. autumn 2022.

## 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)