

- Attendance rules - at least 5 attendances for seminar and 6 for labs. Without these attendances you cannot participate at the exam at all.
- Lab grade needs to be at least 5 - if it is not, you can only participate at the retake session (and you will have to turn in your labs - more info about it later).
- In theory we will have the final lists of who can participate in the evening of 04 June (Friday, when the last labs are over), in practice give us a few more days to enter all attendances.

- While the questions are going to be asked on Moodle (and that's where you upload your answers), during the exam there will be some Microsoft Teams calls as well (I will probably create a few separate channels for the exam and each group will have a channel assigned where the call will take place - more information about it later)
- Everyone will have to turn on their camera and be present in the Microsoft Teams call.

- Structure of the exam:
 - 4 *short* questions (quiz questions) - very similar to the ones from the Lecture quizzes
 - 4 *drawing* questions - solutions to these problems are a drawing (a hashtable, a BST, a heap, etc.)
 - 1 complexity question - you receive a piece of code and have to compute its complexity.
 - 1 implementation problem - you receive a problem and have to write code to solve it (using some data structure or container or defining your own data structure).
- For all problems *explaining/justifying* your answers is very important. In general half or two thirds of the points go for justification.

Exam info IV

- The first 4 problems are quiz questions, where you enter the solution directly to Moodle. But the justification for these problems and the solution to all other problems has to be done on paper and a picture of your work needs to be uploaded to Moodle.
- Every picture of a paper that you upload has to contain your name (handwritten) and signature. It might be easier if before the exam you write your name on every paper you intend to use.
- If you upload text files, screenshots, pictures of papers not containing your name, they will be ignored.
- Each picture can have at most 1MB. I suggest that you use the CamScanner application which takes pictures in format PDF directly.

- All files need to be uploaded before the time runs out. We estimated that you need 120 minutes to solve the problems. Since taking pictures, uploading them, etc. takes extra time, you will have a **total time of 135 minutes for the exam.**

- **During the exam, you cannot return to a previous question.**
- The exam is closed book, you are not allowed to consult any resources during the exam. This is why you will have to sit in front of the camera in such a way that we can see your hands (and that you are not using your computer or mobile phone). Only exception is when you are taking pictures and uploading them to Moodle.

- On Sunday (06.06) between 10:00 - 12:00 we will have a Mock-up exam on Moodle and Teams.
- The goal of the Mock-up exam is to familiarize you with how the exam is going to be: we will have the call on Teams and you will have an exam prepared on Moodle, with the same type of questions (not necessarily the same number of questions) that you will have for the actual exam.

- Participation at the Mock-up exam is entirely optional. It is not going to be graded/checked, but I would suggest you to participate even if you do not feel prepared to actually answer the questions. Read them, see how Moodle works, how the style of the questions is, and try to upload at least one file for one of the questions so that you will be familiar with the flow that you need to follow during the exam: take a picture/PDF with your phone - get that picture to your computer - upload it to Moodle.
- You can participate at the Mock-up exam (and I encourage you to do) even if you know that your lab grade is < 5 and you will only participate at the exam at the retake session.

- Topics covered during the exam will include everything that we discussed during the semester.
- Questions about those data structures for which we did not discuss implementation (ex: skip lists, binomial heap, cuckoo hashing, etc.) will not be asked for the implementation questions (but you can have them for short or drawing questions).