

Final Exam Information

Functional Programming (ITI0212)

May 29 – June 7, 2023

The final exam for ITI0212 will take the form of an *individual live-coding* demonstration of knowledge and skills, as follows.

- Exams will take place between Monday, May 29 and Wednesday, June 7.
- By Monday, May 15, enrolled students should go to the following URL to indicate their availability to take the exam:

<https://doodle.com/meeting/participate/id/egnMVz6d>

Please indicate *all* of the offered times that you are available to take the exam. You should list a *minimum of four times* in order to improve our chances of accommodating everyone's schedule constraints.

- If you are unable to take the exam during the scheduled exam period then you should contact the course staff promptly and we will make arrangements for an alternative exam date for you.
- By Monday, May 22, you should receive an email containing your scheduled exam time. If you don't receive such a message, are no longer available during your scheduled exam time, or have other issues, please contact the course instructors promptly.
- Exams will be conducted remotely by *Zoom*, at the same URL as our regular lecture sessions.
- Each exam will last for approximately 30 minutes.
- The exam will test topics covered in the course, as summarized on the course web page.
- The exam will consist of approximately three questions chosen by the course staff.
- Each question will take the form of a verbal or written description of a function, type, or interface that the student is asked to write.
- Students must have an installation of Idris 2, together with the standard libraries, and editor integration working on their computer in order to take the exam.
- Students must screen-share the window containing their program editor, and communicate with the instructors using camera and microphone throughout the exam.
- Students who have not regularly attended course meetings will be asked to present an identity document to verify that the person taking the exam is indeed the enrolled student. A screen shot of the identity document together with the student's face will be stored temporarily for comparison in case there is any doubt about the identity of the student. All such data will be purged once the student's identity has been established.
- Of course, correctly solving the exam problems is the desired goal, but we are also interested in hearing your observations and thoughts as you work on the problems. If an approach that you try doesn't succeed, we want to know what you learn from that and how it informs your reasoning about what approach to try next. In short, explaining what you understand about a problem can only help you, whether or not you manage to solve it.

- At any time during the exam, students may ask questions to the examiners about the exam problems. If they feel stuck on a given problem they may request to move on to the next problem and return to current one again later, if time allows.
- During the exam students may consult any resources linked from the course web page, including lecture scripts, lab sheets, and official Idris documentation. They may also freely consult their own notes and solutions to lab and homework problems. Students may not consult resources such as *Stack Overflow*, *ChatGPT*, or *GitHub Copilot* to look for verbatim solutions to exam questions.
- Students may freely **import** or copy/paste definitions from any lecture script file, or from their own lab or homework solutions.
- Students may be asked to **import** or copy/paste specific definitions into their exam file in relation to a given problem.

We recognize that an exam is an inherently stressful situation. Please bear in mind that our goal is not to trick or stump you, but rather to assess what you have learned about the topic of *dependently typed functional programming* in Idris throughout the course. As such, you can expect the problems that you encounter on the exam to be similar in nature to those that you have worked on in the lab and homework exercises.