

# Types and Semantics for Programming Languages

## Final Exam

### Instructions

- The exam lasts two hours.
- Place your student identity card face-up on the desk in front of you. The invigilator may come to check your identity, and in this case you may be asked to allow the invigilator to briefly use your computer. The exam time has been calculated to allow time for such interruptions.
- You are permitted to use your browser to access the following:

`plfa.inf.ed.ac.uk` – the course textbook  
`agda.readthedocs.io/en/v2.6.2.2/` – the Agda user manual

You are also permitted to bring in two sides of A4 printed notes, covering whatever you find helpful. These may be inspected by the invigilator.

- You are not permitted to bring in or access other materials during the exam. The only web pages you may browse during the exam are those above. The only files you may access are the file `Exam.lagda.md` and the parts of the standard library directly referenced by that file. The invigilator may see what materials you are accessing at any time.
- Please ensure before submission that the file `Exam.lagda.md` contains your solutions to the exam. Submit using Gradescope as normal.
- When the invigilators announce the end of the exam, you must submit and log out immediately.