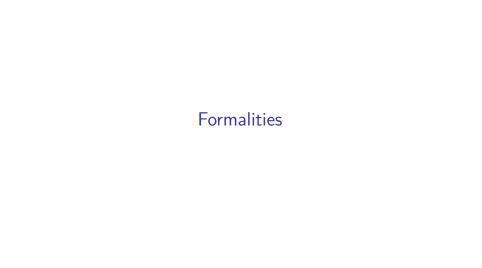
# Advanced Programming (IT)

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**Formalities** 

Aims & timetable



### Assessment

- ▶ 70% exam
- ▶ 30% coursework
- ▶ More details on both to be confirmed

## Lectures and labs

- All sessions on Tuesdays!
- ▶ 11-13: Lecture
- ▶ 14-15: Lab

### Venues

- ▶ Please check MyCampus for up-to-date lecture Venues
- ► Note: MyCampus will have a venue for the 2-3 session. Ignore this, it's in the lab

## Etiquette

- I will write example programs in the lectures
  - ▶ Feel free to bring laptops and do the same
- I'm very happy to address additional topics that you come across in your projects
- I'm also happy to answer lab questions in the lectures
  - Can't answer many questions in a one hour lab
- Ask questions any time. . . .
  - ▶ In class, labs or Moodle forums
- Will go through lab exercise in next lecture
- Office hour: we need to co-ordinate an hour where you and I are both free...

#### **Texts**

- Big Java
  - ▶ I'm using 3rd ed.
  - ▶ I also have 5th Ed (early objects)
  - In recent editions, useful stuff is online only!
- Most things you need can be found in the online Java documents.
- ▶ I don't think it is essential to buy a book for this course

### Contact

- simon.rogers@glasgow.ac.uk
- ► Room S123, Lilybank Gardens
- ▶ Moodle forums

Aims & timetable

### Aims

- Build on semester 1 Java
- Develop a deeper understanding of programming (in Java)
- Design and write lots of code from scratch
- ▶ Be familiar with advanced concepts required in many applications including:
  - Threading
  - Distributed systems

# Main Topics

- Semester 1 recap and Java basics
- Concurrency
- Distributed systems
- Design patterns