

Advanced Programming (IT)

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Formalities

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