

Advanced Programming (IT)

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January 2018

Formalities

Aims & timetable

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