

Welcome to

COMP1500: Introduction to Programming

COMP7901: Software Engineering

EXPLORING
Java



Week 1

Lecture 1: Introduction

Lecture 2: Objects and messages

Java Genesis:

–**Ch1: Getting started**

–**Ch2: Exploring Java**

Lab Assessment 1 (deadline week 5)

Teaching Team

Lecturer and course coordinator



Ralf Muhlberger

Tutors

TBA



Course Content

- *Java Genesis* textbook
- 23 lectures
- 36 hours of supervised lab work
- 10 lab-assessment problems
- 3 assignment problems
- final practical exam
- final multiple-choice exam

Course Material

On the course web site:

- **Course Profile booklet**
- **Lab Assessment booklet**
- **Assignments booklet**
- **(lecture notes, Quick Quiz questions, sample exam papers, challenge questions,**)

Textbook

Duke and Salzman

Java Genesis

Pearson Education Aust, 2004

Assessment

- **10 lab assessments @ 2% each** **20%**
- **3 assignments @ 10% each** **30%**
- **final prac exam** **30%**
- **final multiple-choice exam** **20%**

Lab Assessment

- There are 10 lab assessment problems each worth 2%.
- To earn your 2 marks for a lab assessment problem, demonstrate your solution to a tutor in the labs before the deadline.
- **Late assessment will not be graded.**

Assignments

- There are three assignment problems each worth 10%.
- Submit your solution code to the problem before the deadline (submission is online).
- **Late assignments will not be accepted.**

Practical Exam

- There will be an open-book practical exam of 2.5 hours duration worth 30%.
- The prac exam will be held in the labs during Week 13.
- Designed to test practical skills and knowledge.

Multiple-choice Exam

- There will be a closed-book multiple choice exam of 1 hour duration worth 20%.
- This exam will be held during the exam period.
- Designed to test your understanding of the semantics (i.e. the meaning) of Java code.

Grading the Course

- To get a 7 for the course you will need a 7 in both continuous assessment and the exams.
- If you get a 4 for the exams you will not get better than a 5 for the course.
- **You must pass the prac exam (15/30) or the prac and multiple-choice exams combined (25/50) to pass the course.**

How Grades are Determined

Let E be the mark for exams (out of 50).

Let T be the total mark (out of 100).

- For a 7 require $E \geq 45$ and $T \geq 90$.
- For a 6 require $E \geq 40$ and $T \geq 80$.
- For a 5 require exams passed and $T \geq 70$.
- For a 4 require exams passed and $T \geq 50$.

Lectures

Lecture: Tues 9am

lectures will be tutorial in nature and
concentrate on discussing ideas

Labs

- Labs are available most of the time
- there will be one or two tutors in this lab for 6 hours Tue and Thu.
- sign-up for three 1-hour sessions (but feel free to go to the lab at any time)

Assumed Background

- Basic familiarity with Windows
 - understand folders and files
 - do basic text editing
 - save files in specific folders
 - open and close applications

Our Approach to Java

- learn Java by **doing** Java
 - **explore** Java code
 - **experience** its effect
 - **experiment** with coding ideas
 - **emulate** good coding practice

How to study this course

- Work through *Java Genesis* at your own pace attempting all the problems.
- Hints are supplied to the problems: don't look at the hints until you have finished the problem unless you are really stuck.
- Tackle the assessment and assignment problems only after completing the relevant chapters of *Java Genesis*.

Website and Newsgroup

- **course home web page:**

<http://www.itee.uq.edu.au/~comp1500/>

or

<http://www.itee.uq.edu.au/~comp7901/>

Notices and grades will be posted on the web page. **Check this site regularly.**

- **course newsgroup:**

uq.itee.comp1500 or **uq.itee.comp7901**

Email

- **course email address:**

ralf@itee.uq.edu.au

Note: if we need to contact any student individually we will do so by email.

Equipment - some questions

- Will you need a computer at home?
- If so, what kind of computer?
- CD-ROM containing Java JDK 1.3 and Kawa 3.51a available for overnight loan from the main office in building 78.