

Java Programming Course Overview

Spring 2003

This is a Programming Course!

- No tests
- Lots of projects.
 - 1 trivial homework (HW#1) 10%
 - 6 programming assignments 10% each
 - 1 application development 30%
- Projects will be (typically) due 10 days after assigned.

Texts

No Required text, no "official" suggested text.
Any Java book (SDK 1.4) is fine.

- Thinking in Java 2nd ed. (free on the WWW).
- Learning Java (O'Reilly)
 - reasonable introduction to Java programming.
- Java in a Nutshell (O'Reilly)
 - more of a reference than introduction.
- Deitel & Deitel
 - for those who liked the C++ book (more of the same).
- Sun tutorials (available on the WWW).

People

Instructor: Dave Hollinger.
Amos Eaton 110

T.A.s: Amir Youssefi and ???

All email should be sent to
javaprogram@cs.rpi.edu !!!!!

Course Information

- Home Page:
www.cs.rpi.edu/~hollingd/javaprogram
 - Lecture Notes
 - Links to Java Resources
 - FAQs
 - Assignments
 - Java Jokes
- WebCT:
 - Grades
 - Message Boards

Software

- Java SDK 1.4.0 (or 1.4.1).
- Operating System doesn't matter!
 - we'll see...
- Your favorite text editor.
- A Shell

- Borland J Builder 7 is available for personal use from www.borland.com
 - comes with SDK 1.3, but you can replace the SDK.

Academic Integrity

- All programming is to be done alone!
- Do not share code with anyone else in the course (looking at code counts as sharing)!
- Sophisticated code-comparison systems will be used to catch cheaters!
- Minimum penalty is 2 letter grade drop for the course for everyone involved.

Dave's hobbies

- catching cheaters.
- penalizing cheaters.
- flunking cheaters.

Where to go for help

- You can discuss projects with anyone!
- Feel free to send your code to `javaprog@cs.rpi.edu` and ask us for help.
- Bring your code to office hours and a bag of cookies.

Topics

- Getting SDK running.
- The Java language
- OOP in Java
- I/O
- Threads
- Standard Java Library
- Collections
- Network Programming
- Web Programming
- GUI Programming
- Applets
- XML
- JDBC

Homework

- Submission will be electronic (via email).
- You need to follow the instructions!
- Late penalty: 10% per day.
- No debugging output (unless we ask for it)!
- Pay attention to the assignment, many projects will be graded by a program (an unforgiving, inflexible program).
