

# Syllabus

## Professor

John R. Hubbard  
Office: 201 Jepson Hall.  
Hours: 3:30 – 4:30 on Mondays, 1:30 – 4:30 on Wednesdays, 1:30 – 3:30 on Fridays.  
Email: jhubbard@richmond.edu  
Vox: 289-8086 (office), 379-0510 (home). Please do not call after 9:00 p.m.

## Required Textbook

*Computing Concepts with Java Essentials*, 3rd Edition, by Cay Horstmann, Wiley, 2003, 0-471-24371-X.

## Recommended Supplementary Problem Book

*Schaum's Outline of Programming with Java*, by John R. Hubbard, McGraw-Hill, 1998, 0-07-134210-9.

## Schedule

12 Ch 1: Introduction	14 Ch 1: Java Programming	16 Ch 2: Classes
19 Ch 3: Primitive Types	21 Ch 3: Strings	23 Ch 5: The if Statement
26 Ch 5: Compound Conditions	28 Ch 6: The for Statement	30 Ch 6: The while Statement
2 Ch 6: Random Numbers	4 Review	6 Test 1 on Ch. 1-3, 5
9 Ch 7: Class Design	11 Ch 7: static Members	13 Ch 8: Testing
16 Ch 9: Interfaces	18 Ch 9: Polymorphism	20 Ch 11: Inheritance
23 Ch 11: Access Control	25 Review	27 Test 2 on Ch. 6-9
1 Ch 13: Arrays	3 Ch 13: Arrays	5 Ch 13: Two-Dimensional Arrays
8	24	26
15 Ch 14: Exceptions	17 Ch 14: Exception Handling	19 Ch 15: Streams
22 Ch 15: File Processing	24 Review	26 Test 3 on Ch. 11, 13, 14
29 Ch 16: Design	31 Ch 17: Recursion	2 Ch 17: Permutations
5 Ch 17: Analysis	7 Ch 18: Selection Sort	9 Ch 18: Merge Sort
12 Ch 18: Merge Sort	14 Review	16 Test 4 on Ch. 15-17
19 Ch 18: Analysis	21 Ch 18: Binary Search	23 Review
Tue 4 9:00-12:00 Final Examination on Ch. 1-3, 5-9, 11, 13-18		

## Homework

Written homework assignments will be posted online at our BlackBoard course website. Homework papers are due at the beginning of class on their due days. Please use standard-size paper and staple your pages together. Late papers will not be accepted. You may team work with another student on the homework; if you do, hand in one paper with both your names on it.

## Projects

Programming projects will be due on Saturdays at lab closing time. Descriptions will be posted online at our BlackBoard course website. Late projects will be severely downgraded; no project will be accepted after its solution has been published. Projects are to be done individually, without collaboration. You may receive help only from your professor and the course lab assistant. *It is a violation of the Honor Code to submit a project that is not your own work.*

## Labs

Each lab will be introduced in class on the same day. Lab results are to be handed in before leaving the lab at 3:30. Missed labs cannot be made up. You may discuss your lab work with your neighbors.

## Preliminary Tests

*The preliminary tests and final exam will not be given at any time other than when scheduled.*

**Grades**

Grades will be posted online at our BlackBoard course website. Final grades will be computed from:

Homework & Labs	15 %
Projects	15 %
Preliminary Tests	40 %
Final examination	30 %

**Attendance Policy**

If you miss a class, you should consult with your professor about how to recover from your absence.

**Academic Integrity**

The Richmond Honor Council has the following written policy:

*All academic work, written or otherwise, submitted by a student to fulfill a course requirement is expected to be the result of the student's own thought, research, or self-expression. A student will have committed plagiarism if the student has reproduced someone else's work without acknowledging its source. Plagiarism is no more and no less a violation of the Honor Code than lying, cheating, or academic theft.*

This professor regards this Honor Code as essential to the academic integrity of the university.