

Programming Fundamentals II Syllabus

Instructor

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Office Location

H110

Office Hours

Monday, Tuesday,
And Thursday

Course Overview

This course is an introduction to programming using Java. It covers all the essential programming concepts including variables, data types, control statements, debugging, loops, and arrays.

Expectations and Goals

- Think like a programmer. Algorithmic thinking: being able to read and write a formal language.
- Solve problems. Learning how to communicate complex ideas and how to break down problems into logical pieces.
- Improve your typing speed by 50% or more by the end of the course.

Required Text

Think Java: How to Think Like a Computer Scientist, 2nd Edition, Version 7.1.0

Allen B. Downey and Chris Mayfield

Resources

Book's Website: <https://books.trinket.io/thinkjava2/index.html>

Grading Policy

Quizzes 5%

Midterms 15%

Homework 5%

Labs 15%

Final Lab Exam 10%

Final Exam 50%

Course Schedule

Week No.	Subject	Lab Sheet No.
1	Ch1: Computer Programming	1
2	Ch2: Variables & Operators	2
3	Ch3: Input & Output	3
4	Ch4: Methods and Testing	4
5	Ch5: Conditionals & Logic (part 1)	5
6	Ch5: Conditionals & Logic (part 2)	5
7	Mid Term Exam #1	
8	Ch6: Loops & Strings (part 1)	6
9	Ch6: Loops & Strings (part 2)	6
10	Ch7: Arrays & References (part 1)	7
11	Ch7: Arrays & References (part 2)	7
12	Ch8: Recursive Methods	8
13	General Overview +Study guide	
14	Mid Term Exam #2	
15	Final Lab Exam	