

## Design and Implementation of Software Applications

Spring, 2016

### Contact Hours and Location

*Days & Time:* Monday & Wednesday, 2:15 - 3:30 p.m.

*Location:* Ingersoll Ext. 137

### Contact Information

Michael Goldenberg

mgoldenberg6@gmail.com

*Office:* Ingersoll Ext. 143

*Office Hours:* W 3:30 - 4:30 or *by appointment*

### Course Objectives

This course will serve as an intensive introduction to the Java language and the philosophy behind it's design. Particularly, attention will be focused on the object-oriented nature of Java code and the hierarchical structure of Java's libraries. These aspects will be shown in practice through developing software that primarily makes use of Java's graphics and networking (if there's time) libraries.

### Required Material

*Java: A Beginner's Guide* (6th Edition) by Herbet Schildt

### Attendance

Students will not be penalized for missing class; however, quizzes will be administered regularly (~ 1/week). These quizzes will, of course, be reflected in your grade. Students will not lose points for missing class, but will lose points for missing a quiz.

*\* If you need to be absent for any reason, contact me ahead of time.*

### Assignments

Programs will be assigned regularly and will likely build on each other. For this reason especially, *it is important to keep up with the material and assignments*. You will have access to a remote, command-line environment where you may do your development if you wish. Otherwise, you may develop on your local machine and then upload your code. All assignments will be submitted electronically in this environment through the user account which will be assigned to you.

Assignments should be *neat and readable*. Your grade for an assignment may or may not be a reflection of it's readability depending on the nature of the assignment. However, in general, assignments will be graded based off of their functionality. Assignments will be compiled and run given certain inputs and if, for any reason, something goes wrong in the process, it will be your responsibility to make it work. This means you must make sure that the code you would like graded is stable and functioning within the remote environment.

### Grading

Quizzes ~ 20% | Assignments ~ 30% | Midterm ~ 20% | Final ~ 30%

### Student Disability Services

Students with disabilities can register for disability services with *Ms. Valerie Stewart-Lovell* at (718) 951-5538. If you are already registered, come and see me about making accommodations.

### Academic Integrity

Students are permitted to discuss assignments and course material with one another; however, be warned – *all code will be checked for plagiarism*. Use good judgement, please.

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*\* Instructor reserves the right to make changes to the syllabus as needed \**