Course Syllabus

Course Info

- Course Number: COMP 110-003, Spring 2013
- Course Name: Introduction to Programming
- Meeting Place: SN 011
- Meeting Time: Tuesday/Thursday, 11:00am - 12:15pm
- Course Webpage: `http://www.cs.unc.edu/~lihaohan/comp110s13`
- Instructor: Haohan Li
- Instructor Office: FB 132
- Instructor Email: `lihaohan@cs.unc.edu`
- Office Hour: Wednesday, 12:30pm - 2:30pm.

Course Objectives

This course provides an introduction to computer programming for students with little or no previous programming experience. The major objective of this course is to teach you how to solve problems by programming. During this course, you will learn (1) fundamental computer programming skills, and (2) systematic and logical thinking. Our programming will be in Java, one of the most important and ubiquitous contemporary programming languages.

Textbook

Java: An Introduction to Problem Solving and Programming (6th Edition), by Walter Savitch. ISBN: 978-0132162708. The Kindle edition is also available online. The textbook is **required**.

Prerequisites

There are no prerequisite course requirements for the course. I assume that you have basic computer skills, such as Internet surfing, email communication and software installation. However, If you have already taken a computer programming course or you find the topics below very familiar, you should probably take COMP 401 instead.

Topics

- Overview to computer programs;
- Java and Eclipse;
- Variables, types and strings;
- Conditionals and loops;
- Arrays and ArrayLists;
- Functions and classes;
- Object-oriented programming, inheritance and polymorphism; (optional)
- Handling exceptions; (optional)
- Recursion, search, and selection. (optional)

Assignments

The programming assignments are very important to this course. In every assignment, you are required to submit of a Java program which generates the correct results. Also, several written homework will be assigned to help you to better understand the definitions and concepts.

Exams

There will be an in-class written mid-term exam and a written final exam during the university-scheduled time slot.

Class Participation

Attendance is mandatory for all lectures. If you have a scheduling conflict, you should take this course another semester. Bring your laptop and book to every lecture.

Moreover, you are expected to maintain proper etiquette in class. This includes:
- Not making a habit of *arriving late*, or *leaving in the midst of class*;
- Not *talking*, *sleeping*, *reading newspapers*, *eating*, etc. in class;
- Keeping *cellphones*, *pagers*, etc. off;
- Not using your laptop to *browse the web*.

I reserve the right to give *negative* class participation grades to those who do not observe appropriate etiquette in class.

Grading

Assignments:	60% (including 3% due-date extension points)
Mid-term exam:	10%
Final exam:	25%
Class participation:	5%

Grading Scale

		A:	93 - 100;	A - :	90 - 92.99;
B+:	87 - 89.99;	B:	83 - 86.99;	B - :	80 - 82.99;
C+:	77 - 79.99;	C:	73 - 76.99;	C - :	70 - 72.99;
D+:	65 - 69.99;	D:	60 - 65.99;		
F:	0 - 59.99.				

Assignment Grading Policy

An assignment is on time only if it is received at or before 11:59 PM on the due date. The credit you receive will be multiplied by 0.5 if the assignment is received at or before 11:59 PM on the day after the due date. After that time, you will receive no credit .

Each student has 3 opportunities to extend the due date by one more day, which may be used at any time and in any combination. You must declare the due-date extension *before* or *on* the due date. Unused opportunities are each worth 1 points on the final grade.

Programming is very time-consuming, especially for rookie programmers. You may spend up to 5-20 hours on each programming assignment. Make sure that you have this kind of time available before you enroll this course. "I am really busy this week" is not an excuse for a late assignment submission.

Honor Code Policy

Make sure that you are familiar with The UNC Honor Code, and *Honor Code Observation in Computer Science Courses* (`http://www.cs.unc.edu/Admin/Courses/HonorCode.html`). You will be required to sign an Honor Code pledge to hand in with every assignment.

You are ***not*** allowed to collaboratively writing your programming assignment. Plagiarism of any program has always been an Honor Code violation. Be very careful when you look for help from your classmates or Internet. The only safe way is to write the programs all by yourself and to ask the instructor when you meet a problem. When you are not sure if your action is legal, *ask*!