CSCI 136 - Supervised Programming Lab
Spring 2017

Meeting Time: Thursday $7^{00} - 8^{50}$ PM, HN-1000G

Instructor: Ilya Korsunsky (ilya.korsunsky@gmail.com)

Pre-/Co-requisites: The prerequisite is CSCI 127 or instructor's permission. At the very least, you should have written, compiled, and run a >1 page program containing iteration (while/for) and selection (if) statements.

CSCI 135 is a co-requisite, and you will not receive a grade in 136 if you don't take 135.

Questions: The beginning of each class will be devoted to answering questions you may have about this course. There will also be be bulletin board forums where you can post questions for this class. When you post questions, you should also email me to informing me that you did. My **office hours** are Thursday $6^{30} - 7^{00}$ PM, or by appointment.

Bulletin Board: You should check the Blackboard (`http://bb.hunter.cuny.edu`) sites for both 135 and 136 regularly, since all class material will be posted there. Please make sure you have configured bb to use your preferred email address (your Hunter email address, by default), since you are responsible for any email I might send there.

Text: Walter Savitch, Absolute C++, 6th Edition, ISBN 0-13-283071-X.

You are responsible for all the material on the reading list whether or not covered in lectures.

Grading: 100% In-class programming labs.

Final grades will be assigned based on the following guidelines:

- A: You understand the concepts well enough to successfully understand and solve a problem by implementing a C++ program on your own.
- B: Between the above and below.
- C: You understand all basic C++ concepts, but have trouble implementing a complete correct program.
- F: You do not understand basic C++ concepts, or are unable to implement programs.

It is difficult to understand software development concepts without sitting in front of a computer many hours a week actually writing and debugging programs.

Late Policy: Labs are typically due at the end of class, unless specified by the instructor. Labs submitted after the due time but within 5 calendar days receive a 30% late penalty, and no labs are accepted after that. The lowest lab grade isn't counted.

Software: The standard Linux/Unix/MacOS C++ compiler is g++. There are several free Linux OSs which you can install for dual-booting with Windows, including `http://www.ubuntu.com`. If you want a Linux-style environment for windows that doesn't require installing Linux, `http://cygwin.com` is an alternative.

Course Goals: This course is meant to complement CSCI 135, as both a recitation and practice lab. As a recitation, the goals are to reinforce the concepts covered in the main lecture and to help you through the practical issues involved in your main programming assignments. As a lab, the main goal is to encourage practice with C++ in a supervised setting. Here, you can stay on top of new skills, understand the gaps in your ability, and get help from an experienced programmer, on a regular basis.

Other: I ask that all **cell phones** be turned off in class.

All course material (including lectures, solutions, etc.) is owned by me and protected by **copyright**. You may use material for yourself, but any other use (including posting on websites, whether free or not) is illegal without my express written permission.

I take **academic honesty** very seriously, and any violation results in an automatic F for the course along with sanctions in accordance with Hunter College procedure. The official college statement is:

Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures.

In compliance with the **American Disability Act** *of 1990 (ADA) and with Section 504 of the Rehabilitation Act of 1973, Hunter College is committed to ensuring educational parity and accommodations for all students with documented disabilities and/or medical conditions. It is recommended that all students with documented disabilities (Emotional, Medical, Physical and/ or Learning) consult the Office of Accessability located in Room E1124 to secure necessary academic accommodations. For further information and assistance please call (212-772-4857)/TTY (212-650-3230).*

This course provides a 'first step' towards the following department's **learning goals***:*

- *Have a deep practical knowledge of one widely used programming language*
- *Be experienced in working in at least two widely used operating system environments*
- *Be able to apply principles of design and analysis in creating substantial programs and have experience working in teams on projects of moderately realistic scope.*