

Syllabus for CMSC 15200
Introduction to Computer Science 2
Summer 2009

Course:

Lecture: MWF 1:30–3:20, Ry 251

Lab: W 4:00–6:00, JRL A01C

Instructor: Paolo Codenotti

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Office Hours: M 3:30–5:30, and by appointment

Text: *Absolute C++*, Walter Savitch, 4th Edition.

Homework: Homework will be assigned twice a week. There will be a shorter homework assigned on Wednesday due Friday by 5pm, and a longer homework assigned on Friday, and due the next Wednesday by 1:30pm (class time).

You may turn in ONE homework one class after it is due. After that homeworks that are one class late will be deducted 50% of the grade. No homework will be accepted more than one class late.

Labs: Labs are Wednesdays 4:00–6:00 in the MacLab (basement of Regenstein Library). Lab attendance is mandatory. If you cannot make a lab, please contact the instructor in advance, and we will try and set it up so you can complete the lab remotely.

Final Project: Students will design and develop a small programming project. The instructor will suggest several ideas for programming project. Students are welcome to come up with their own project ideas (subject to the instructor's approval). In particular students who are taking this course to develop programming skills for their thesis, research, etc. are encouraged to choose a project directly related to their work.

Grading:

Homework	50%
Final Project	30%
Labs	20%

Academic Honesty: The University of Chicago has a formal policy on academic honesty which you are expected to adhere to:

http://www.uchicago.edu/docs/studentmanual/academic_honesty.shtml

As a rule of thumb, you are allowed (and encouraged) to discuss the problems with other students, look up code from other sources (e.g. books, the internet, ...) as long as you cite your sources (including fellow students), and you do not copy the solution to the problem. You are always allowed to use code from class and from previous homeworks.

If you have any questions regarding what would or would not be considered academic dishonesty in this course, please ask the instructor.

Asking Questions:

The preferred form of support for this course is through the course mailing list, which can be used to ask questions and share useful information with your classmates. In fact, we encourage that all questions about homework assignments, labs, and programming in general be sent to the mailing list, and not directly to the instructor. This way, all your classmates will be able to benefit from the reply to your question. In some cases, some of your classmates might even pitch in to provide their insights into questions or issues discussed in the mailing list. You can subscribe to the mailing list in the following web page:

<http://mailman.cs.uchicago.edu/mailman/listinfo/cs152>

Practical information

There are certain things you will need to do before you can start using the Maclab computers, work on homeworks and labs, etc.

Obtain a CS account: Lab sessions will take place in the Linux section of the Maclab. Before using those machines, you need to request a CS account. This account will allow you to access certain computing resources in the Department of Computer Science, most notably the Linux machines in the Maclab. You can claim your CS account here:

https://www.cs.uchicago.edu/info/services/account_request

Knowing your way around a UNIX system: Although you will have the option of doing your homeworks and labs on UNIX or Mac in the Maclab, all lab instructions will be given from a UNIX system. If you are completely new to UNIX, we encourage you to use the KDE desktop, which provides a graphical interface very similar to the ones found on Windows and Mac systems. However, at a certain point, you will need to perform certain actions from the UNIX command line interface (or **console**). The first lab in the course will provide a basic introduction to the UNIX console. However, if you want a more complete introduction, you can take a look at the following tutorials:

<http://support.uchicago.edu/docs/misc/unix/general/feet.html>

<http://support.uchicago.edu/docs/misc/unix/tutorial/>

Working from home Although the Maclab provides an excellent work environment, with all the software you need to complete the lab exercises, you are certainly free to work from home. However, take into account that you will need to hand your homework in using the `hwsubmit` command described above. Since this command is only available in your CS account, you will need to log in remotely to a CS machine using SSH. Instructions on how to do this are available here:

http://www.cs.uchicago.edu/info/services/new_users_guide

Also, take into account that there are two ways of working from home:

1. If you have a UNIX system at home (such as a computer with GNU/Linux installed in it), you can do your homework assignment entirely in your machine, using whatever tools you prefer. Once your assignment is complete, you simply have to copy your files to your CS account home directory and submit them using `hwsubmit`. Just in case, you might want to make sure that your code works fine in your CS account, as it will be graded in one of the CS Linux machines.
2. Regardless of having a UNIX system or not at home, you can do all your work using your CS account. To do this, you will have to log into your account using SSH and then do the assignment using the tools and commands available in your CS account.