

CIS 15: Advanced Programming Techniques Using C++

Spring 2010 — Course Information

- *Instructor:*
Prof Simon Parsons
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Office: 0119 Ingersoll
Office hours: Mondays & Wednesdays 1pm-2pm
- *Course web page:*
<http://www.sci.brooklyn.cuny.edu/~parsons/15-spring-2010/>
- *Lectures and labs:*
Monday & Wednesday 2.15-3.55pm, 3409 Ingersoll
- *Computer access:*
You will need to have access to a computer with UNIX for this class (for example, Linux or Mac OS-X). If you don't have one, you can apply for a UNIX account and use the public machines in the library or the WEB building. In class, we will use PC laptops and the Ubuntu operating system.
- *Textbook:*
C++ by Dissection
by Ira Pohl
publisher: Addison Wesley (2001)
- *Additional course materials:*
Course lecture notes, additional readings and multi-media sources will be available on-line.
- *Prerequisites:* CIS 1.5
- *Assessment:*

55	points	=	6 assignments (5-10 points each)
15	points	=	midterm exam
30	points	=	final exam
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100	points		
- *The following topics will be covered in 6 curricular units:*
 - (I) Fundamentals
 - (II) Classes
 - (III) Specifications and Testing
 - (IV) Pointers and Memory
 - (V) Object-oriented Programming
 - (VI) Recursion & Templates
- *Course structure:*
 - Class sessions will consist of lectures and hands-on labs.
 - Hands-on labs will lead to homework assignments.
 - Students may bring their own laptops to the labs.
 - For homework students may use their own computer or a public machine in the WEB building.