CIS 15: Advanced Programming Techniques Using C++
Spring 2009 — Course Information

- *Instructor:*
  Prof Simon Parsons
  `http://www.sci.brooklyn.cuny.edu/~parsons`
  email: *parsons@sci.brooklyn.cuny.edu*
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  Office: 0119 Ingersoll
  Office hours: Mondays & Wednesdays 2pm-3pm

- *Course web page:*
  `http://www.sci.brooklyn.cuny.edu/~parsons/15-spring-2009/`

- *Lectures and labs:*
  Wednesday 6.30-10pm, 234 New 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 Mac laptops and the OS-X UNIX-based 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
100	points		

- *The following topics will be covered in 7 curricular units:*

  (I) Fundamentals

  (II) Classes

  (III) Specifications and Testing

  (IV) Pointers and Memory

  (V) Object-oriented Programming

  (VI) Recursion

  (VII) 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.