WELCOME TO CIS 15

CIS 15
Advanced Programming Techniques Using C++
Spring 2010
Lecture # I.1
Introduction

Topics:

- Introduction to the course
- To do

Instructor:

- Prof Simon Parsons, *parsons@sci.brooklyn.cuny.edu*

Course web page:

- `http://www.sci.brooklyn.cuny.edu/~parsons/15-fall-2007`

Introduction to the course

- About this course
  - Gives you more experience with C++
  - Introduces advanced concepts, like recursion and object-oriented programming
  - Introduces you to UNIX
- Topics covered:

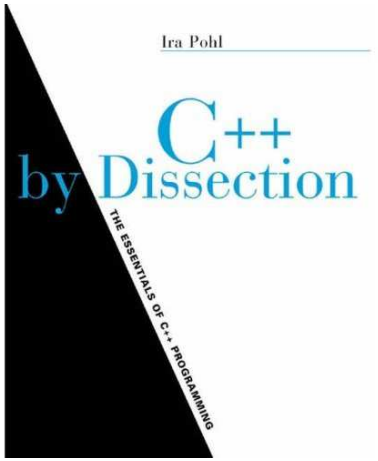
(I) Fundamentals
(II) Classes
(III) Specifications and Testing
(IV) Pointers and Memory
(V) Object-oriented Programming
(VI) Recursion & Templates

Course structure

- 6 **units**
- Each unit has:
  - 1-2 **lectures**
  - 1-2 **labs**
  - 1 **assignment**
- The labs will be hands-on sessions using laptops (in here, 4411N)
- Your grade =
  - 6 assignments (55% total)
  - Midterm (15%)
  - Final (30%)

To do.

- Get a copy of the textbook (C++ by Dissection, by Ira Pohl, published by Addison Wesley, 2001)



- ... and start to read chapter 1
- Check out the class web page:
  `http://www.sci.brooklyn.cuny.edu/~parsons/15-spring-2009`

About me

- Undergrad: University of Cambridge, Engineering, class of 1988
- Grad school: University of London, PhD 1993
- Previous teaching:
  - Queen Mary & Westfield College, London, UK.
  - University of Liverpool, UK.
  - Universidad Politechnica de Catalunya, Barcelona, Spain.
  - Universidad Nacional del Sur, Bahia Blanca, Argentina.
  - Columbia University.
- Research interests:
  - Robotics;
  - Software agents and multi-agent systems; and
  - Rational action.

About you.

- Please take out a piece of paper and write down...
  1. Your name
  2. Your email address (print clearly!)
  3. Your major and where you are in your time at BC (ie junior)
  4. What CIS courses you have already taken, if any.
  5. Why you are taking this course
  6. What you hope to learn here
  7. One sentence about one good thing you did over the break.
- ...and give it to me.