INFSCI 0020: Program Design & Software Tools

Instructor:

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Class schedule: Mondays, 6:00-8:50PM

Office Hours: Wednesdays: 3.00 – 5.00 p.m., OR by appointments

Teaching Assistant: Ming Mao (more information coming)

Course Description

This course is an introduction to the development of programs using C++. Particular emphasis is given to the development of program modules that can function independently. The theory of data structures and programming language design is continued.

Prerequisites: INFSCI 0015 Data Structures and Programming Techniques

Students are expected to have some C programming experience and knowledge of data structures.

Course Material

The *Textbook* for this course is
- *C++ How to Program* – Fourth Edition by H. M. Deitel, P. J. Deitel, Prentice Hall, New Jersey, 2003, ISBN: 0-13-038474.

Plenty of useful material on C++ programming is available on the web. The lectures will closely follow the flow of the book. Time to time, there may be extra material, which will be handed out in the class. Lecture notes will be put on the website and you are responsible for printing them out before the class.

Grading

Grades will be based on the following components:
- Quiz 10% (in the beginning of the class; on previous lecture)
- Homework/Programming Assignments 50%
- Midterm 20%
- Comprehensive Final 20%

Upto 2 quizzes will be dropped when the final grade is calculated. In some assignments, extra-credit may be given to allow students to acquire points that can compensate for points missed elsewhere.

Policy

Academic honesty is expected to be strictly maintained. Students should work on their own solutions. Discussions are encouraged but the students should present their own solutions. There will be zero tolerance for cheating - you get an F for the course if you cheat in anything however small – NO DISCUSSION.

There will be penalty for late assignments (15% each day). Ensure clarity in your answers – no credit will be given for vague answers. Homework is primarily the GSA's responsibility.

Web Site

The course homepage is: http://www.sis.pitt.edu/~jjoshi/IS0020/Summer2004. Assignments will be posted on the web. Students are expected to regularly check the web and look for new announcements.