

INFSCI 0020: Program Design & Software Tools  
Class schedule: Tuesdays/Thursdays, 1:00-2:15PM, Room IS 405

**Instructor:**

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

**Graduate Teaching Assistant:**

TBA

**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/Programming Assignments 70%
- Exams 30%

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/Spring2005>. Assignments will be posted on the web. Students are expected to regularly check the web and look for new announcements.