

**Instructor:** John Paul C. Vergara, PhD  
621 McBryde (231-4212) [jpv@cs.vt.edu](mailto:jpv@cs.vt.edu)

**Office Hours:** Mon-Thu 11am-12noon, and by appointment

**GTA:** Shad Gilley [wgilley@vt.edu](mailto:wgilley@vt.edu) Mon-Fri 12:30-2pm, 116/118 McBryde

**Course Description:** This course discusses the fundamental concepts underlying software solutions of many problems. Structured data, statement sequencing, logic control, input/output, and functions are taught using the C++ programming language.

**Prerequisites:** None.

**Textbook and Course Notes:** *Programming and Problem Solving with C++, 4<sup>th</sup> Ed*, by Dale and Weems, Jones and Bartlett 2004. Course notes are available online and hardcopies are sold at A1 Copies, University Mall.

**Course Web Site:** (<http://courses.cs.vt.edu/~cs1044/>) The course web site will include copies of the syllabus (this document), additional notes as available, pertinent department policy statements, office hours, test dates, programming project specifications as available, timely announcements, and links to other useful information. You should consult the Website on a regular basis.

### Course Requirements and Grading:

Programming Projects	50%
Pop Quizzes	10%
Midterm Exam	15%
Final Exam	25% (Friday, July 2, 10:30am)

Final grades will be set according to the usual 10-point scale, i.e., 90% guarantees at least an A-, 80% at least a B-, etc. A curve may or may not be applied to the final averages; that decision rests entirely with the instructor.

### Policies:

**Programming Projects:** The programming projects will be implemented in ANSI C/C++. The programs will be compiled and tested using Visual C++.NET running on Microsoft Windows 2000/NT. It is your responsibility to ensure that your programs execute correctly in the appropriate environment. If you are using another compiler it may be advisable to test each of your programming projects in the lab prior to submission. All the programming projects will be submitted electronically, using the Curator System. See the Curator Project Page (<http://www.cs.vt.edu/curator/>) for details and software; in particular, the *Student Guide to the Curator* contains answers to most of the questions students have about the Curator system as well as information on how the Honor Code applies when using the Curator.

Each of your programming projects will be graded primarily according to conformance to the stated specifications, but also for programming style and documentation. Each project specification will include explicit guidelines that you will be expected to follow. The Computer Science Department Documentation Standards, described in *Elements of Programming Style*, will be enforced on all programming assignments. A copy of this document is also available from the course web site.

Late Submissions: Programming assignments may be submitted up to two days after the due date. No submissions will be accepted beyond this two-day limit. Late work will receive a 10% deduction per day. Delays resulting from machine availability, lab schedules, hardware failures or your failure to maintain a backup of your work will not merit consideration.

Quizzes and Tests: There will be at least one quiz per week. The quizzes will be unannounced and may occur at any time during the class meeting. The lowest quiz grade will be cancelled when computing your final grade. There will be a midterm and a final exam. Make up quizzes or exams will not be given, although in the event that quizzes or exams are missed due to excusable absences (must be with an accompanying letter from the dean or a physician), score substitutions may be applied but will be dealt with on a case-to-case basis.

**Honor Code:**

The Honor Code will be strictly enforced in this course. All work submitted shall be considered pledged graded work, unless otherwise noted. All aspects of your work will be covered by the Honor System. Honesty in your academic work will develop into professional integrity. The faculty and students of Virginia Tech will not tolerate any form of academic dishonesty.

An exhaustive list of Honor Code violations would be impossible to present here, but most importantly, all work, including programming assignments, are to be done on an individual basis. Help may be obtained only from the instructor or the GTA. Consult the course web site for details on exactly how the honor code applies to requirements for CS courses.

**Special Needs:**

If any student needs special accommodations because of a disability, please contact the instructor during the first week of classes.