

CS 2604 Syllabus

Fall 2005

Data Structures and File Processing

Course Information

Instructor:

David McPherson
625 McBryde Hall
231-4485
dmcphers@vt.edu

Office Hours:

TBA

Prerequisites:

CS 2704, CS 2204 and Math 2534

Text:

Drozdek, A. (2005). *Data Structures and Algorithms in C++, Third Edition*. Boston: Thompson Course Technology.

Course Website:

courses.cs.vt.edu/~cs2604/fall05/mcpherson

TAs:

Huadong Xia Xiaoyan Yu Zhiyan Shao Ekta Shah

Final Exam: December 15, 2005 at 7:45-9:45 am

Course Description

This course extends the concepts of primitive data types by teaching the student a classical set of data structures that pervades both the theoretical and practical domains of computer science. Topics discussed include lists, trees, graphs, searching, sorting, file system organization and access methods.

Grading Policy

This course is based on 1000 points.

<i>Activity</i>	<i>Point Total</i>
Programming Assignments(5)	550
Homework	100
Test 1	150
Final Exam	200
Total Points	1000

Homework Assignments: Your solutions for each homework assignment must be prepared with a word processor (e.g., Word or LaTeX), and are due at the beginning of your lab period.

Programs: For each programming assignment and lab assignment, you will submit an electronic copy of your work for grading. No paper printout is required. You will also receive your comments and feedback on program assignments electronically. Full **submission instructions** are posted on the course web site describing electronic submission and grading criteria.

Statute of Limitations: Any question or complaint regarding the grading of any assignment or examination must be raised within two weeks after the corresponding grade is made available (not when you pick it up).

Late Policy

Except in the very rare case when an extension is granted, late submissions may be submitted for a penalty of 10% per day (10% for up to 24 hours late, 20% for up to 48 hours late, etc.). No late submissions will be accepted more than 5 days after the due date. Any request for an extension must be made at least 24 hours prior to the due deadline.

Note: Delays resulting from machine availability, lab schedules, hardware failures or your failure to maintain a backup of your work do not merit an extension.

Class Attendance

You are expected to attend class **always**--please arrive **on time**. If a serious illness prevents you from taking a test, notify your instructor **in advance** of the test; you must also provide a note from your physician or the Health Center. Excuses other than an illness on a test day must be requested through the Dean's office. No makeup tests will be given without a verified excuse. Also, note that **only the Dean's office** can excuse you from the scheduled final examination time, and no makeup final will be given without the Dean's approval.

The Virginia Tech Honor Code

All work is considered **individual work** and cannot be developed or written up with assistance from individuals other than the course's TAs, the course instructors, and ACM or UPE tutors. Any discussion of program source code must be limited to these people.

Examples of honor code violations include:

- Working with another student to derive a common program or solution to a programming assignment or homework problem.
- Discussing the details required to solve a programming assignment. You may not share solutions.
- Copying source code (programs) in whole or in part from someone else, with or without their knowledge or consent.
- Editing (computer generated) output to achieve apparently correct results.
- Taking another person's printout from a lab printer, remote printer, trashcan, etc.

It is acceptable to discuss with others the nature of an assignment or what behavior it requests--that is, what your program is to accomplish--but you may not discuss how to achieve that goal. Note that all electronic work submitted for this course is archived and subjected to automatic plagiarism detection and cheating analysis.

Special Accommodations

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