Essential information.

Instructor Dr. Adrian Sandu
- Phone 231-2193
- E-mail sandu@cs.vt.edu
- Office 2242 KnowledgeWorks II
- Office hours By appointment
Teaching Assistants Guanying Wang (wanggy@vt.edu)
- Office 133B McBryde Hall
- Office hours Guanying Thu 1-3pm, Tridib Fri 2-4pm
Lecture Tu-Th 3:30-4:45PM, 321 MacBryde Hall
Final exam May 3, 2008, 1:05-3:05PMM
Prerequisites (CS 2604 or CS 2606), (MATH 3134 or MATH 3034)

Textbook.


Additional material.

- Will be given in class.

About the course. This course emphasizes the understanding of data structures and algorithms from an analytical perspective rather than from an implementation standpoint. The concepts developed allow discussion of the efficiency of an algorithm and the comparison of two or more algorithms with respect to space and run-time requirements. Analytical methods are used to describe theoretical bounds as well as practical ones. In general, this course addresses the constraints that affect problem solvability. A grade of C or better required in CS prerequisite 2604 or 2606. I, II

Grading.

The grade will be based on:

22% Part-term exam #1 (in-class)
22% Part-term exam #2 (in-class)
26% Final Exam (in-class)
30% Homework (theoretical and programming assignments)
Disclaimer.

Some information given to you in class may supersede the information in this syllabus or in the web page.

Student Complaints and Academic Misconduct.

Students are expected to comply to the Honor Code. If you have any problems, the first step is to discuss with me directly.

Disabilities.

Please let me know if you have a disability which requires special arrangements.