

CSC 222
Data Structures & Algorithms II, Fall 2007

Section A: T Th 9:30 - 10:45pm Man 244

Instructor

Dr. V. Paúl Pauca
office: 235 Manchester Hall
tele: 336.758.5454
email: paucavp@wfu.edu
course web: <http://www.cs.wfu.edu/~pauca/csc222>

Course

Textbook:
Algorithms, Dasgupta, Papadimitriou, Vazirani

Grading:

3 Tests	45%
Programming Assignments	30%
Homework	20%
Attendance	5%

Topics Covered

- Big-O notation
- Algorithms with numbers
- Divide-and-conquer
- Decomposition of graphs
- Paths in graphs
- Greedy algorithms
- Dynamic programming
- NP-complete problems
- Coping with NP-completeness

Attendance: Regular attendance of class and lab is expected.

Tests and the Final Exam: Two tests and a final exam will be administered during class. All tests will cover the material from the assigned readings, lectures, and lab. The tests and final exam will be closed book. Make-up tests will be administered only if properly excused *in advance*.

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Homework: Homework will be assigned throughout the semester to reinforce the material covered in the lectures. Homework assignments will be periodically reviewed in class. **Late homework will be accepted with 20% of the grade deducted per day.**

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Academic Integrity: All tests, programs, and homework are to be done independently by each student, except for pre-specified group projects. Copying of partial or complete work will not be tolerated and will be referred to the University Judicial System. Do not throw away or recycle any notes until the end of the semester. Should a question of authorship arise you will be expected to produce hand-written and printed documents that trace the development of your work.

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Special Needs: If you have a disability that may require an accommodation for taking this course, then please contact the Learning Assistance Center (758-5929) within the first two weeks of the semester.

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Course Plan in the Event of Closure of the University: In the event that the University closes due to pandemic or other disaster, the course will be continued through the internet or by postal mail, if the former is not available. Professor Pauca will distribute class notes, weekly lab material, and homework through the course webpage (www.cs.wfu.edu/pauca/csc111) or by postal mail in the case of internet service failure. Class notes will contain extensive lecture material as well as short exercises designed to test the students comprehension of the material. Office hours will be held through the internet using either Skype ([wspauquitas](https://www.skype.com)), AIM ([paulpauca](https://aim.im)) or iChat ([paulpauca](https://www.apple.com/icloud/)). Students will be required to turn in assignments electronically using Blackboard or by postal mail to: Paul Pauca, 615 Woodbriar Ct, Winston-Salem, NC 27106. Examinations will be distributed by internet, email, or postal mail, as needed. Return date and time for examinations will be clearly specified. In addition Professor Pauca will be accesible by email through any of the following addresses: paucavp@wfu.edu, paulpauca@gmail.com, and pauca@mac.com.

Important Dates

- August 30: First day of class
- September 25: First test
- October 3: Last day to drop the course with a W
- October 19: Fall break
- November 6: Second test
- November 21-23: Thanksgiving holiday
- December 6: Last day of class
- December 15: Final exam, 9 am