

# COMP 410: Data structures

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**Time/ Location.** MW 2:00-3:15. SN 011

**Instructor.** Sanjoy Baruah [baruah@cs.unc.edu; (919)962-1803; Brooks Building 134]

**Course Goal.** To provide knowledge of, and experience in implementing, several useful *data structures* and associated *algorithms*.

**Objectives.** During this course, you will

- Learn how the choice of data structures and algorithm design methods impacts the performance of programs
- Study specific data structures such as linear lists, stacks, queues, dynamic dictionaries, priority queues, and graphs

**Prerequisite.** Foundations of Programming (Comp 401 or equivalent). You must drop the course if you do not have the prerequisite.

**Text.** The required course text is: *Mark Allen Weiss, Data structures & algorithm analysis in Java*. Addison Wesley.

**Grading.** Grades will be based on several programming assignments (30% of your grade), three in-class exams (45%), and a final examination (25%). I reserve the right to change the method of assigning grades.

**Programs.** Barring documented tragedy, *I will not accept late programs*. You are not permitted to work in groups – all your work must be your own, and you must attest to this in a signed comment enclosed with each program submission.

**Special needs.** If you are entitled to extra accommodation for any reason (such as a disability), we will make every reasonable attempt to accommodate you. However, *it is your responsibility to discuss this with the instructor during the first week of the course*.

**Course Information.** Latest organizational information concerning this course is available off the WWW, at the following URL:

<http://www.cs.unc.edu/~baruah/Teaching/2009F>

*It is your responsibility to check this URL frequently.*