Prerequisites: CS-UY 2134 (Data Structures and Algorithms; C- or better) and MAUY 2314 (Discrete Mathematics), or equivalent knowledge of basic data structures and discrete math.


Alternative algorithms texts:


Assignments and exams: There will be homework assignments every one to two weeks, two quizzes, one midterm exam, and one final exam. Attendance at exams and quizzes is mandatory. Make-up exams or quizzes will only be given in the case of an emergency, such as illness, which must be documented, e.g. with a doctor’s note. In such cases, you must notify me as early as possible, preferably before the exam or quiz is given. If you miss an exam or quiz without a valid excuse, you will receive a grade of zero for that exam or quiz.

A policy on homework assignments will be posted as a separate document on Piazza.

Approximate grading scale: Homework assignments 10%, quizzes 15%, midterm 35%, and final 40%. Note: Electronic books or any other electronic materials are not permitted during exams.

Tentative course outline: We will cover the book mostly in order, at a rate of roughly three subsections per lecture, on average, up to and including chapter 10.

Class communication: NYU Classes will be used for posting assignments and lecture notes. For everything else—course site on Piazza. It is your obligation to regularly check the Piazza course web site for announcements, homework updates/changes, etc.

Contact me through NYU Classes. Do not send email.

Changes: All the information in this syllabus is subject to change. Changes will be announced in class and on Piazza. It is the student’s responsibility to keep track of these announcements.
Moses Center Statement of Disability: If you are a student with a disability who is requesting accommodations, please contact New York University’s Moses Center for Students with Disabilities (CSD) at 212-998-4980 or mosescsd@nyu.edu. You must be registered with CSD to receive accommodations.

Information about CSD can be found at www.nyu.edu/csd. It is located at 726 Broadway on the 2nd floor.

NYU School of Engineering Policies and Procedures on Academic Misconduct Introduction: The School of Engineering encourages academic excellence in an environment that promotes honesty, integrity, and fairness, and students at the School of Engineering are expected to exhibit those qualities in their academic work. It is through the process of submitting their own work and receiving honest feedback on that work that students may progress academically. Any act of academic dishonesty is seen as an attack upon the School and will not be tolerated. Furthermore, those who breach the School’s rules on academic integrity will be sanctioned under this Policy. Students are responsible for familiarizing themselves with the School’s Policy on Academic Misconduct.

Definition: Academic dishonesty may include misrepresentation, deception, dishonesty, or any act of falsification committed by a student to influence a grade or other academic evaluation. Academic dishonesty also includes intentionally damaging the academic work of others or assisting other students in acts of dishonesty. Common examples of academically dishonest behavior include, but are not limited to, the following:

- Cheating: intentionally using or attempting to use unauthorized notes, books, electronic media, or electronic communications in an exam; talking with fellow students or looking at another person’s work during an exam; submitting work prepared in advance for an in-class examination; having someone take an exam for you or taking an exam for someone else; violating other rules governing the administration of examinations.

- Fabrication: including but not limited to, falsifying experimental data and/or citations.

- Plagiarism: intentionally or knowingly representing the words or ideas of another as one’s own in any academic exercise; failure to attribute direct quotations, paraphrases, or borrowed facts or information.

- Unauthorized collaboration: working together on work that was meant to be done individually.

- Duplicating work: presenting for grading the same work for more than one project or in more than one class, unless express and prior permission has been received from the course instructor(s) or research adviser involved.

- Forgery: altering any academic document, including, but not limited to, academic records, admissions materials, or medical excuses.