COMP-4004 Course Syllabus

1   Course Information

Course Name	COMP-4004: Discrete Math and Algorithms
Prerequisites	COMP-4003, COMP-4005
Required Textbook	No textbook required

2   Course Description

This accelerated course covers the basics of discrete math, data structures, and algorithms.

3   Textbook and Materials

The primary textbook for the course is Discrete Mathematics and its Applications by Kenneth Rosen. More information can be found on the publisher's website

Links to an external site.. Unfortunately the book is a bit expensive, so a used copy may be a good choice. I'll post section numbers from the 7th and 8th edition, but older editions will also work. All homeworks will have full problem statements so you won't need to track down a specific edition. The topics selected are reasonably generic and there are plenty of other resources about them. Just ask the instructor is a specific source is good enough.

Later in the course, some additional material may come from The Algorithm Design Manual by Steven Skiena 3rd edition. You can access an electronic copy of this for free through DU's Library as part of the Springer Collection. Just search for the title.

4   Course Format

This is a lecture based course. Students are expected to attend class sessions in-person, and are responsible for any missed course sessions or material presented.

5   Attendance Policy

Regular attendance is expected. Students are responsible for all material covered in class, including announcements and handouts.

6   Collaboration and Academic Integrity

When you turn in work in this course, you are implicitly agreeing that you have followed the rules for collaboration set forth for that assignment. In general,

For homeworks, you may consult with classmates, and the instructor. Do not do web searches for solutions. If you discuss a problem with somebody else you must acknowledge your collaborators. Any work drawn from outside sources, whether quoted directly or paraphrased, must contain citations to the original work. You must submit your own independent submission. Each write-up must be the work of the student receiving credit.

For the exams, you will work individually.

Violations of conduct policies may have serious consequences, including receiving 0 for an assignment or exam, receiving a failing grade in the course, and reporting of violations to the Office of Student Conduct. Please familiarize yourself with the University of Denver Honor Code. When in doubt about any academic conduct policy, please consult your instructor or academic advisor for guidance.

7   Disability Services

If you have a disability that may affect your ability to complete the work for this course, please contact the Disability Services office at: `https://studentaffairs.du.edu/disability-services-progr`