

C Sci 26

Schedule #29046; Spring 2022

Hours: 3-5:35-MW

Room: S-20

Instructor: Greg Jamison

Office Hours: 5:40-6:30 Daily

Office: S-16 (x8421)

Text: Applied Discrete Structures (<https://discretemath.org/>)

Home Page: <http://greg.jamison.tk>

Required Materials:

The aim of this course is to teach you about the mathematics that underlies much of computer science. The following topics will be covered:

1. Logic and Proofs
2. Language of Mathematics
3. Algebra and computer logic
4. Algorithms and Recurrence Relations
5. Counting Methods and Probability
6. Graphs and Trees
7. Matrices
8. Modeling arithmetic, computation, and languages

There will be three tests, one on each of the following dates: February 16th, March 23th, and May 4th. The final exam is on Wednesday, May 18th at 3:00 . If you can't meet at these times, Please let me know as soon as possible. The final will cover all of the material taught in the class. There will be no make up tests. Homework will be submitted online. There will be weekly quizzes. The homework score will count as one quiz. The quizzes, with homework counting as one quiz, will be worth 100 points total. Each test will be worth 100 points. The lowest of the three test scores will be dropped. The final will be worth 150 points. In summary then, grading will be as follows:

| | | |
|--------------|--|--------------------|
| test #1 100. | | lowest one dropped |
| test #2 100. | | |
| test #3 100. | | |
| quizzes 100. | | |
| final 150. | | |
| total 450. | | |

To compute the letter grade for the course:

| | | | |
|--------------|---------|---------------------------------------|---|
| | 90-100% | | A |
| | 80-90% | | B |
| If you get-- | 70-80% | -- then your grade will be at least-- | C |
| | 60-70% | | D |
| | 0-60% | | F |

Testing policy:

Tests are closed book. Calculators may be used. All work must be shown. All results must be clearly labeled. Scratch paper may be used, but must not be turned in. Nothing, including pencils, erasers, and calculators, may be shared during a test. No talking is allowed. If any of the testing policies are violated, you may receive a zero on the test. If there is any evidence of cheating on any exam, you will be given an "F" for the entire course.

Miscellaneous:

Homework will be submitted online by midnight every Monday. Quizzes will normally be available online weekly from 5 a.m. until midnight every Wednesday. Regular attendance is required. You may be dropped for missing more than two weeks of class (not necessarily consecutively). It is the student's responsibility to drop himself if he stops attending class. If you stop attending, but do not drop, you may receive an "F". Please notify me of any planned absences in advance. Finally, work must be neat! Work that can't be read can't be graded. Students with disabilities who qualify for academic accommodations must provide a letter from the DSP&S and discuss specific needs with the professor, preferably during the first two weeks of class. DSP&S determines accommodations based on appropriate documentation of disabilities. Please note that any of the above may change if special circumstances arise.