

Mathematics 302 – Fall 2010 – Course Information

Instructor: Catherine Yan

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Course Web page: <http://www.math.tamu.edu/~cyan/Teaching/math302-fall.html>

Prerequisites: Math 152

Class time & Location: MWF 10:20–11:10 in CE 222

Textbook: *Discrete Mathematics and Its Applications, 6th ed.* by Kenneth H. Rosen. McGraw Hill, ISBN 0073312711. Reading the text is strongly encouraged.

Syllabus:

Math 302 is a course on discrete mathematics. As described in the Course Catalog, we will cover formal structures for describing data, algorithms and computing devices. We will also study the theory and applications of sets, graphs, and algebraic structures.

More specifically, we will cover Chapters 1, 2, 3 (§2, 4, 8), 4 (§1–4), 5 (§1–5), 7 (§1–3), 8 (§1–5), and part of 12 of the textbook.

You are expected to read the textbook before each class.

Homework:

There will be weekly homework assignments. Doing the homework is essential to understanding the material and to doing well on the tests so please take the time to read the appropriate sections or handouts and to do all of the problems each week.

Late homework is not fair to you as a student who is trying to keep up with the class, to your classmates, or to the grader; hence you should turn your assignments in on time. If you will not be in class on the due date, you should arrange to turn in the homework early. Late homework will not be accepted.

Quizzes:

During the semester there will be six -seven short quizzes on the material we have been covering in class. Your Quiz Grade is the minimal of (your total, 120).

Tests: There will be two tests, a midterm and a final exam. The midterm test is tentatively scheduled on October 15, Friday. The final test is on December 3, Friday. Both tests are 50 minutes. I reserve the right to change the dates or the particular selection of topics from the syllabus based on the needs of the class. I will give you at least a week's notice before each test.

You can raise your grade for up to 20 points by doing the extra-credit assignments. There are two extra-credit assignments. To get the credit, you must hand in them by the assigned deadline. You can choose to do all of them, or only part of them. Partial credit will be given accordly.

Getting help:

You are encouraged to ask questions both in class and outside of it, although I will not answer questions about homework to be collected during that class. I am available to answer

questions in office hours and by appointment. You may also contact me via e-mail with your questions and I will respond as soon as possible.

Grades:

Your grade will be determined by your performance on the homework and tests as follows:

homework	100 points
quizzes	120 points
Midterm test	110 points
final test	120 points
(extra-credit assignments	20 points, See below)

There is a total of 450 points. You may improve your grade by taking the extra-credit assignments. The extra-credit assignments may be used to increase your scores for up to 20 points. The standard cutoffs for letter grades will be used: A 400 pts, B 350 pts, C 300 pts, D 250 pts.

If you wish to request a regrade on a test, it must be done in writing within one week of the day on which it was returned to you.

Policy for Absences:

Attendance on a regular basis is expected. While there are occasionally good reasons for you to choose to miss class, my experience has been that there is a strong correlation between attendance (as long as you are awake and listening) and performance in the course.

For absence related to injury or illness, students who are absent from class three or more days should provide instructors with confirmation from a medical provider for an excused absence.

Make-Up Policy:

Make-ups for missed tests will only be given if you have a university approved excuse in writing and if you notify me by the end of the next working day as per university rules. Whenever possible you should inform me before a test or quiz is missed.

Scholastic Dishonesty:

Cheating of any form is not acceptable and it will be dealt with harshly. In particular, copying work done by others, either in-class or out of class, is an act of scholastic dishonesty and it will be prosecuted to the full extent allowed by university policy. Collaboration on assignments is permitted for this course, however each student must write up their own solutions. For more information on university policies regarding scholastic dishonesty, see the University Student Rules.

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