Mathematics 302 – Spring 2016 – Course Information

Instructor: Catherine Yan
Office: Blocker 513F
E-mail: cyan@math.tamu.edu
Office hours: Monday 1-2:30pm
Course Web page: http://www.math.tamu.edu/~cyan/Teaching/math302-spring.html
Prerequisites: Math 152
Class time & Location:
  Section 502: MWF 11:30 p.m.–12:20 p.m. BLOC 164
  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, 5(§1–4), 6(§1–5), 8 (§1-3), 9 of the textbook. Time allows, we will also touch some sections of chapter 13.

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.

Tests:
There will be three major tests during the semester. The tentatively schedule is:

1. Midterm test: **March 2, 2016, in class.** It will cover the materials taught in the first six weeks.
2. Final test: Two-hour test during the university-assigned final period. It will cover the materials taught from the 7th week to the end of the semester.
  
  **Section 502: May 10, Tuesday, 10:30–12:30.**
3. In addition, there is a take-home open book test on **Proofs**, which will be assigned during week 9 (March 21–25) and collected by **April 11**.

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.

If you have three or more exams on the day of the last exam, you must let me know at least two weeks in advance so suitable rescheduling arrangements may be made.
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
- Midterm test 100 points
- Final test 100 points
- Proof test 100 points
- Quizzes 50 points
- Attendance 50 points

There is a total of 500 points. For attendance, if you miss 5 or more lectures without university approved excuses, then you lose all 50 points. Otherwise, you earn 50 points.

The cutoffs for letter grades will be used are:
- A 450 pts, B 400 pts, C 350 pts, D 300 pts.

Any request for re-grading of a test must be done within one week of the day on which it was returned to you. You can not make any change on the problems that need to be re-graded.

Any inquire of not-returned homework must be done within one week of the day on which the homework set is handed back to the class.

Policy for Absences:
Attendance on a regular basis is expected. For absence related to injure 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.

From time to time, I will have a student sign-up during the class.

Make-Up Policy:
Make-ups for missed tests or quizzes 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. The make-up test should be done within one week of the date that you are back to school.

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.

Copyrights:
All printed handouts and web materials are protected by US Copyright Laws. No multiple copies can be made without written permission from the instructor.