Instructor: Catherine Yan  
Office: Blocker 513F  
E-mail: cyan@math.tamu.edu  
Office hours: Monday 12:30-2pm  
Course Web page: http://www.math.tamu.edu/~cyan/Teaching/math302-spring.html  
Prerequisites: Math 152  

Class time & Location:  
Section 501: MWF 10:20 a.m.–11:10 a.m. BLOC 164  
Section 502: MWF 11:30 a.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.  
Students 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.  
The solutions of homework problems will be available for you to check answers. We will check that you finish each problem set and give you a completeness grade.

Quizzes:  
During the semester there will be at least 12 quizzes on the material we have been covering in class. Each quiz has 10 points, and the sum of the best ten quiz-grades will be counted toward your Quiz Grade.

Tests:  
There will be three major tests during the semester. The tentatively schedule is:  
1. Midterm test: **February 28, 2018, 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 501:** May 7, Monday, 8:00–10:00.  
   **Section 502:** May 8, 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 19–23) and collected by **April 6**.  
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 100 points

There is a total of 500 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 or a quiz 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.

Policy for Absences:
Attendance on a regular basis is expected. 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 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.

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