Mathematics 302 – Fall 2015 – Course Information

Instructor: Catherine Yan
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Office hours: WED 11-12, starting from the second week.
Course Web page: http://www.math.tamu.edu/~cyan/Teaching/math302-fall.html
Prerequisites: Math 152
Class time & Location:
   Section 503 MWF 12:40–1:30 in BLOC 160
   Reading the text is required.

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, 5), 9 of the textbook.
   Each student is expected to read the textbook before each class.

Homework:
   There will be (almost) 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 five short quizzes on the material we have been covering in class. Quizzes are open book but must be finished and submitted in class.

Tests: There will be three tests during the semester. The tests are tentatively scheduled as:
   1. Midterm test: October 14, 2015, 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.
      Final exam time for Section 503: December 14, Monday, 10:30–12:30.
   3. In addition, there is a take-home open book test on Proofs, which will be assigned during week 9 (October 26–30) and collected by November 10.

   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 final 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 give
out answers to the questions in the homework to be collected. 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:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
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<tbody>
<tr>
<td>Homework</td>
<td>100</td>
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<tr>
<td>Midterm test</td>
<td>100</td>
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<tr>
<td>Final test</td>
<td>100</td>
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<tr>
<td>Proof test</td>
<td>100</td>
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<tr>
<td>Quizzes</td>
<td>50</td>
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<tr>
<td>Attendance</td>
<td>50</td>
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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 standard cutoffs for letter grades will be used:

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 is
returned to you. You cannot make any change on the problems that need to be re-graded.

Any inquirer of not-returned homework sets or tests must be done within one week of the day
on which the homework sets/tests are handed back to the class.

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, copy-
ing 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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