

**MATH302 – Discrete Mathematics, Spring 2010**  
*Section 501, TR 11:10am–12:25pm, BLOC 117*

**About your instructor:**

**Name:** Paula Tretkoff

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**Web page:** <http://www.math.tamu.edu/~ptretkoff/>

**Office Hours (in Milner 332)**

Tuesdays and Thursdays: 10:00 am – 11:00 am; 1:00 pm – 2:00 pm; and by appointment.

**Required text:**

*Discrete mathematics and its applications*, by K.H. Rosen, 6th edition, McGraw Hill, ISBN: 0073229725

**Departmental Course Website for MATH302**

Go to: <http://www.math.tamu.edu/courses>, then click on “Course Listing and Syllabi”, then click on “MATH302”

Course syllabus: <http://www.tamu.edu/courses/math302/currentsyll.html>

**Course Description:**

MATH302 is a course on discrete mathematics. The word “discrete” refers to the fact that we keep track of things using the counting numbers  $0, 1, 2, 3, \dots$  as opposed to using a continuous real variable  $x$  or  $y$  as in calculus. As described on 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. For proofs, we will emphasize proof by induction.

**Exams:** There will be three in-class exams and one final exam. A *tentative* schedule for these exams is as follows. Only the date of the final exam is not subject to change. I reserve the right to change the dates of the in-class exams as well as the particular selection of topics from the syllabus to suit the needs of the class and my own commitments.

**Exam I:** Thursday, February 25, 2010

**Exam II:** Tuesday, March 23, 2010

**Exam III:** Thursday, April 22, 2010

**Final Exam:** Friday, May 7, 2010; 3:00–5:00pm

**Weekly Homework Assignments:** Each week on a Thursday, starting week 2, you will be assigned homework to be completed by the following Thursday. This homework will be graded and returned to you in class on the Thursday after that (two weeks from assignment of homework to return of graded homework).

**Grading Scheme:** Final grades will be determined by 3 in-class exams, a comprehensive final, and weekly homework as follows:

In-class exams I, II and III are each worth 20% of the final grade. The final exam accounts for 25% of the final grade. The homework counts for 15%. The increased weight of the final exam reflects the cumulative nature of the course.

The final grade for the course is determined as follows:

No lower than A= 90%–100%, No lower than B= 80%–89%, No lower than C=70%–79%,  
No lower than D=60%–69%, F=0%–59%.

I may curve the grades as a function of the overall performance of the entire class.

**Make-ups:** Make-ups for major exams will be given only in case of an absence authorized under University Regulations. You will need a note from your doctor or your academic advisor. If you have trouble reaching me, leave a message with the MATH departmental secretaries (845-7554) and be sure to leave your phone number.

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