

MATH 321.101 DISCRETE STRUCTURES General Course Information
University of Baltimore, Yale Gordon College of Liberal Arts

INSTRUCTOR: Tim Pilachowski TJP@math.umd.edu Be sure to include "Math 321" in the Subject line.
410-271-6612 (You may also leave messages at 410-837-5310, but I probably won't get them until the day of class.)
OFFICE HOURS: 4:45 to 5:15 pm on the day of class Office number AC 209-conference room

COURSE OBJECTIVE: This course is an introduction to fundamental mathematical concepts and algebraic structures used in theoretical computer sciences. (See course outline on back for specific topics.) The basic goals are to help you to recognize mathematics at work, enable you to think mathematically, and encourage you to use mathematical principles in solving problems. *Prerequisite: Finite Math or equivalent.*

TEXT: *Discrete Mathematics & Its Applications*, Kenneth H. Rosen, 5th edition (Boston: McGraw Hill, 2003).

ADDITIONAL MATERIALS: You will need a scientific calculator which is equipped to do exponent and extended calculations. Look for parentheses keys.

COURSE SCHEDULE & PRACTICE PROBLEMS: Go to <http://www.math.umd.edu/~tjp> and follow the "Math 321" links. Practice exercises are given for each section of the text. I suggest that you put all written homework (properly labeled) into a notebook which you can use to study for each test. Begin after today's class by looking over the Table of Contents and doing the assigned exercises. As part of the homework you should read each section of the text. ***Do the exercises first, then look in the back of the book to check your answers!***

GRADED HOMEWORK AND TESTS: A homework page will be given for each chapter which is to be handed in for a grade; some chapters will be split into two parts. Hard copies will be handed out in class. You can also download homework pages by following links from <http://www.math.umd.edu/~tjp>. In general, these will be due two classes after they are given; assignments turned in late will lose points. No assignments will be accepted after graded ones have been returned to other class members. There will be four tests during the semester. Dates of tests are given in the course outline. Each test will focus primarily on material covered since the previous test, but may also include questions on prior material. The fourth test will be comprehensive.

MAKE-UP POLICY: Attendance is expected at *all* classes. It is the student's responsibility to make up any work missed during her or his absence and to be aware of upcoming test dates. In general, if a student misses a test (including the fourth test) a make-up will not be given. However, in unusual cases (e.g. death in the family, hospitalization, serious illness) the instructor may allow for a make-up providing the student can verify the reason for the absence. If classes are canceled for any reason (including weather) continue working on material listed in the course outline. Any test scheduled on the day that classes are canceled will be given during the next regularly scheduled class meeting.

GRADING: The graded homework assignments will count 20% of your final grade. Each of the four tests will count 20%. Your final number grade will be converted to a letter grade according to the following scale: A: 90-100; B+:85-89; B: 80-84; C+: 75-79; C:70-74; D:60-69.

ACADEMIC HONESTY: Academic honesty is expected of all students. Work submitted by students as their own shall be their own. Plagiarism, "cribbing", copying from others in class, or other violations of academic honesty will be dealt with by the imposition of appropriate penalties at the discretion of the instructor relative to other university guidelines.