

Math 1001, Excursions in Mathematics
Fall 2007

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Objectives. The objective of this course is for you to learn how to apply mathematical ideas and ways of thinking. We will cover real-world problems and focus on more modern developments.

Prerequisites. The prerequisites for this course are at least 3 years of high school mathematics or a passing grade on a placement exam.

Class time. The lectures for this course are MWF from 11:15 am to 12:05 pm in Pillsbury Hall 110. The discussion sections are held at three different times on Thursdays. Attendance at both is mandatory.

Textbook. The text for this course is *Excursions in modern mathematics*, 6th edition, by Peter Tannenbaum.

Material covered. We will be covering chapters 5, 6, 7, 1, 2, 3, 12, and 15, in that order. The lectures will cover material in roughly the same way as the text. However, reading the text is not a substitute for attending the lecture or vice versa, and you are responsible for both any additional material presented in lecture and any material from your reading.

Collaboration and cheating. You are allowed (and encouraged) to work with other students while trying to understand the homework problems. However, the homework that you hand in should be your work alone. Any misconduct on homework, quizzes, or tests will result at a *minimum* in a failing grade on it, and probably further sanctions which depend on the nature

of the incident. Don't cheat.

Evaluation. Your grade for this course will consist of the following components.

- Homework and Quizzes 15%
- Tests 15% each
- Final Exam 40%

Homework. It is *very* difficult to learn and remember mathematics without taking the time to practice it on your own; this is why there will be weekly homework assignments due, 14 in total. Homework is due every Wednesday by 4:30pm in your TA's mailbox in Vincent Hall room 107.

Homework scores are out of 10. 6 points are given for simply completing all questions on the assignment, with partial credit based on how complete your TA judges your assignment to be. 4 points are given for correctness, as follows. On each assignment there will be 4 problems chosen to be graded, and you get one mark for each problem where your answer is legible, complete, and correct.

You may hand in homework late up until the last day of class, but it will receive a grade of at most 4 points.

Quizzes. After the end of each chapter there will be a 15 minute quiz based on the material from that chapter. These will take place during normal class time. Of your 8 quiz scores, your lowest quiz score will be dropped from your final grade.

Tests. There will be three 1-hour tests, taken during normal lecture time, which are not cumulative. All three tests count towards your final grade equally.

Final exam. There will be a common final exam from 1:30 pm to 4:30 pm on Friday, December 14. This exam *will* be cumulative.