

M116
Contemporary Mathematics
Fall 2008
Professor Haruta

Instructor Information:

Dr. Mako E. Haruta

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Text: Contemporary Mathematics, 3rd Edition by Ray McGivney

Calculators: The TI84 or TI-83+ graphing calculator is required for this course, and is required in class each day. Instruction on its use will be given throughout the semester. You may bring your calculator to all tests and quizzes.

Office Hours: Monday 8:30-9:30am, Tuesday 10-11:15am, Wednesday 11:30-12:15pm. I will be available in my office during these hours to answer questions. You can also stop by or call to make an appointment at a different time or day.

Tutoring Room: Free drop in math tutoring is available in D208. A posted schedule lists student tutors and full-time faculty who are available to answer your questions. This room is typically open Monday through Friday. I will be tutoring there once a week.

General Comments: This course is designed for students who have a weak background in mathematics and does fulfill the mathematics requirement. It is an introductory course on the topics and applications of recursive sequences, voting methods, probability through calculator simulation, and graph theory.

Important Placement Information: If you have previously taken a Precalculus or Calculus course, have taken an AP exam in math, or if your major is Undecided and you might possibly end up majoring in math, science, pre-med, or business, then one of the following courses is more appropriate for you. Please see me after class for more details.

M110 Modeling with Elementary Functions – essentially a Precalculus without trigonometry (TI-84/83+)

M112 A Short Course in Calculus – introduction to calculus (TI-84/83+)

M114 Everyday Statistics – basic concepts of probability and statistics (TI-84/83+)

M140 Precalculus with Trigonometry – preparation for M144 Calculus I (TI-89)

M144 Calculus I – appropriate if you have done well in a Precalculus or Calculus course in the past or have scored a 4 or 5 on a Calculus AP exam. (TI-89)

Grading:

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| • Tests | 75% |
| • Quizzes and other assignments | 15% |
| • Final project | 10% |

There is no final exam.

Tests: An 8 ½" x 11" sheet for notes is permitted for all tests. You may also bring your calculator for use on tests.

- There are four tests during the semester, the lowest test grade is automatically dropped.
- If you miss one test, that one will be your dropped test. There are no makeup tests.
If you miss more than one test, you receive a zero grade on the second test.
- If you miss the first and second test, you are administratively dropped from the course.

Quizzes: Throughout the semester there will be in-class announced quizzes. Please note that there are no makeups available for quizzes, however your lowest quiz grade will be dropped.

Final Project: A final project is due the last week of classes. It may take a variety of forms: a paper, a piece of art, research project, etc. I'll give more specific examples in class near the end of the semester along with a detailed sheet of requirements. Projects will not be returned unless you specifically request it.

Homework Problems: Most exercises will be completed in class. Some additional practice problems may be assigned each week. Answers for most problems will be provided. The test questions will be based on problems similar to those assigned for homework and on material covered in class.