

# ALGEBRA WITH APPLICATIONS

## Syllabus for Math 111 D - Autumn 2005

**Lecturer:** Dr. Matthew M. Conroy

**Office:** Padelford C-544

**Email:** conroy@math.washington.edu (please specify **Math 111** in the subject line)

**Web page:** [www.math.washington.edu/~conroy](http://www.math.washington.edu/~conroy) (this has a link to the class website)

**Office hours:** Office hours are times when you can speak to me without making an appointment - just drop by. My office hours for this quarter are available at the web page above (or will be very soon!), and are subject to change so check before you visit.

**Purpose of the course:** In this course, you will study the use of graphs and algebraic functions as they apply to the fields of business and economics. This course will prepare you for a course in the application of calculus to business and economics.

**Text:** *Algebra in Business and Economics* by G.S. Monk, available at Professional Copy & Print, 4200 University Way NE.

### Other required material:

- clear plastic straightedge (or ruler)
- scientific calculator (the Business School recommends the HP-10B)
- packet of lecture handouts (purchase at Odegaard Library copy center or download from the course website)

**Lectures:** There are lectures each Monday, Wednesday and Friday. You are responsible for knowing all that goes on in lecture, but you are not explicitly required to attend.

**Quiz Section:** You will participate in group activities during quiz section each Tuesday. These activities are designed to reinforce and deepen your conceptual understanding of topics in the course or to introduce new topics. You will work on these activities in groups; however, each individual will hand in his/her own solutions. These activities are designed to be finished and turned in at the end of the quiz section; but, if a group demonstrates a reasonable effort and is unable to finish, the members of that group may turn in the activity at the next quiz section. We will drop your lowest activity score.

During Thursdays quiz sections, you will work problems from previous exams in a test-like situation and then discuss these problems as a class. You will receive points for participating in these discussions. After the discussion, your TA will answer questions over the weeks homework assignment.

**Homework:** You should visit the class website and get a homework schedule, which is subject to change. If the schedule changes, there will be an announcement in lecture or quiz section, and on the class website.

There are weekly homework assignments, usually collected on Friday in lecture. Since the answers to most of the exercises are available to you, it is important that you write out complete solutions to all assigned problems. No credit will be given for simply writing the correct answer.

We will drop your lowest homework score.

**Exams:** There will be two midterm exams and a final exam. The midterms will be in quiz section on **October 20, 2005** and **November 10, 2005**. The midterms will be 50 minutes long, and will be in your usual quiz section location.

Exams are cumulative: you will be expected to solve problems using techniques discussed at any prior point in the course.

Make-up exams will not be given, so don't miss the exams.

You will be allowed to use your ruler, and one 8.5×11 sheet of **handwritten** notes for the exams. You will be allowed to use your calculator, but no other electronic devices (e.g., cell phone, laptop, Palm Pilot) on exams. You may not share a calculator or a note sheet with another student during an exam.

**Final Exam:** The final exam will be **Saturday, December 10, 2005**. Time and location will be announced later.

**Grading:** Your grade will be made up of the following:

homework	10 %
activities	10 %
participation	2 %
midterm exam 1	21 %
midterm exam 2	21 %
final exam	36 %

Grades **are** curved in that your course grade will reflect your performance relative to the rest of the class rather than relative to some fixed percentage scheme (e.g., 90-80-70-60 etc.).

If you feel that an error in grading has occurred, you have **one week** after the exam, homework, or activity is returned to bring it to the attention of me or your quiz section T.A.

**Important Dates:**

Exam 1	October 20	in quiz section
Exam 2	November 10	in quiz section
Final Exam	December 10	location TBA

**Make-ups:** Late activities and homework assignments will not be accepted for any reason. You will be allowed to miss one activity AND one homework assignment without penalty to your grade.

In the case of observance of religious holidays or participation in university sponsored activities, such as debate or athletics, arrangements must be made at least 2 days in advance for activities and 1 week in advance for exams. You will be required to provide documentation for your absence.

Make-up exams will not be given. If you miss an exam due to unavoidable, compelling, and well-documented circumstances, your final exam will be weighted more heavily. **Resources:**

- The Math Study Center (Communications B-006) is open to students in MATH 111/112. The Center provides a comfortable place and a supportive atmosphere for students to come together and study, in groups or individually. The MSC will open for the term during the second week of classes. The center is staffed by TAs and instructors.  
See <http://www.math.washington.edu/~perkins/MS/m111-12.html> for more details.
- The University of Washington is committed to providing access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation contact the Disability Services Office at least ten days in advance at: 206-543-6450/V, 206-543-6452/TTY, 206-685-7264 (FAX), or [dso@u.washington.edu](mailto:dso@u.washington.edu).
- The Student Counseling Center academic skills workshops on a variety of topics including stress management, test anxiety and time management to help you succeed at the University of Washington. If any of these is an issue for you, check out the schedule of workshops at <http://depts.washington.edu/scc/studyskills.html>