

Math 111 Syllabus — Summer 2011

Algebra in Business and Economics

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Instructor: Peter Caday
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Time and Location: MTWThF 10:50–11:50, in BNS 115.

Class Website: math.washington.edu/~pcaday/111/. The class website has all kinds of information, including:

- the course calendar
- homework assignments
- course updates
- a PDF of the textbook
- past Math 111 exams

Resources: Office hours are your opportunity to get help with homework or answers to nagging questions from lecture. Yang and I will have plenty of office hours, and you're always welcome to make an appointment (catch me after class or by email). If you find yourself struggling in Math 111, please don't be afraid to talk with Yang or me, and we will do what we can to help.

In lecture, please stop me if there is something you don't understand, and don't be afraid to ask basic questions. You will get much more out of the class, and your fellow students will be grateful!

Required Materials:

- textbook: *Algebra in Business and Economics*, by G.S. Monk. You can pick it up from Professional Copy 'n Print (4200 University Way).
- scientific calculator
- clear plastic ruler

Course Objectives: In Math 111, you will study the use of graphs and functions as they relate to business and economics. This course places a heavy emphasis on problem-solving and communication. Math 111 will also prepare you for Math 112, where you can study calculus as it applies to business and economics.

Activities: Each Tuesday in quiz section, you will participate in a group activity. The activities are designed to deepen your understanding of concepts from lecture, and occasionally delve into new concepts. Although you will work in groups, each of you will turn in his or her own solutions. If your group demonstrates a reasonable effort, but does not finish during quiz section, you may turn in the activity the following Thursday. Since groupwork is an essential part of the activities, you will not receive credit if you were absent from quiz section.

Homework: There will be approximately one homework assignment per week, due Fridays. Each assignment covers two or three worksheets from the book, and most homework assignments will require you to complete every problem in those worksheets. You can find the details for each assignment on the course webpage.

It is essential that you explain the methods you use to find your answers, and how you know your answers are correct, as appropriate. In lecture, there will be examples of how to show your work. On Thursdays, Yang will answer homework questions in quiz section.

Test Prep: During most Tuesday quiz sections, you will have the opportunity to practice a “test prep” problem (a past exam question).

Surveys: From time to time, I will give out surveys so that you can help me improve my teaching. As an incentive to complete them, I may offer participation points (or another form of credit) for completing them.

Exams: There will be two midterms and a final exam. On each exam, you can use a calculator, a ruler, and one $8\frac{1}{2}'' \times 11''$ notesheet (double-sided). No other electronics are allowed (cell phones, music players, laptops, etc.). As in the homework, always show your work, unless stated otherwise.

Midterm 1: Tuesday, July 12 (in quiz section)
Midterm 2: Tuesday, August 2 (in quiz section)
Final: Friday, August 19 (in lecture)

Tentative Grading Scale:

Homework: 10%
Activities: 10%
Midterm 1: 21%
Midterm 2: 21%
Final: 36%
Participation: 2%

Missed Assignments and Exams: If you will miss an exam or an assignment for religious reasons or because of a university-sponsored activity, it is your responsibility to make arrangements with me at least a week in advance. Reasonable documentation for your absence is required.

If you miss an exam or assignment because of a documentable illness or emergency, let me know by email as soon as possible to make arrangements. In particular, if you cannot turn an assignment in on time, contact me *before* it is due.

Late Assignments: Late activities will not be accepted, but your lowest activity score will be dropped at the end of the quarter.

You may turn in *one* homework assignment up to one week late. Only one homework assignment will be accepted late.

Resources for Students with Disabilities: 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.