

## Syllabus for Math 112A&B, Winter 2010

**Instructor:** Dr. Alexandra Nichifor (office: Padelford C-326)  
**E-mail:** nichifor@uw.edu (please include "Math 112" in the subject line)

**Class website:** <http://www.math.washington.edu/~nichifor/112W2010.htm>  
Please **read the links on this website** carefully first before emailing any questions.

**Text:** *Calculus in Business and Economics* by G.S. Monk,  
(available from Professional Copy 'N Print, 1414 NE 42nd St., 1 block south of the bookstore)

**Other Required Materials:**

- a clear plastic ruler
- a scientific calculator
- packet of lecture materials (download from the course website)

**Course Objectives:** To learn the methods of differential and integral calculus with specific emphasis on applications to Business and Economics. Topics include: rates of change, tangent lines, derivatives, linear programming, areas, and integrals.

**Grade Breakdown:** Your grade will be made up of:

|               |     |
|---------------|-----|
| Final Exam    | 36% |
| Midterm I     | 21% |
| Midterm II    | 21% |
| Homework      | 10% |
| Activities    | 10% |
| Participation | 2%  |

**Activities (10%):** You will participate in group activities **during quiz section** on most *Thursdays*. These activities are designed to reinforce or deepen your conceptual understanding of topics in the course or to introduce new topics. You will work on these activities in groups; however, each person will hand in his/her own solutions. These activities are to be finished and turned in at the end of the quiz section; however, if a group demonstrates a reasonable effort and is unable to finish, the members of that group may turn in the activity the next day in lecture (but no later).

**Homework (10%):** Homework will be assigned weekly in lecture and will be *collected during Wednesday's lecture*. Turn in **complete solutions** to all questions and problems from each assigned worksheet, according to the methods of this class. Since the answers to most of the exercises are available to you, **no credit will be given for simply writing the correct answer without justification**.

**Participation (2%):** During *Tuesday's* quiz sections, you will attempt problems from previous exams in a test-like setting, and then discuss these problems as a class. You will receive points for attending **and** actively participating in these discussions. After the discussion, your TA will answer your questions about that week's homework assignment.

**Exams (78%):** You will be allowed to use your calculator, your ruler, and one 8.5×11 two-sided sheet of personal notes for all exams. Other electronic devices are not be allowed (e.g. no cell phones, no laptops, no PDAs). You may not share a calculator or a note sheet with another student on an exam.

**Exam Dates:**

**Midterm I: Thursday, February 4, in quiz section**

**Midterm II: Thursday, February 25, in quiz section**

**Final Exam: Saturday, March 13, 5-8pm, room to be announced**

### **Make-Ups:**

#### **Late activities and homework assignments are not accepted for any reason.**

You will be allowed to miss one activity AND one homework assignment without penalty to your grade to account for unexpected problems such as a car breakdown, family issues, minor illness, etc. In case of a serious, unavoidable and officially **documented** reason for absence (such as illness, military duties, or university sponsored athletic events) talk to the professor as soon as you can and provide official documentation for your missed assignment(s).

#### **Make-up exams will not be given.**

If you have to miss an exam due to **unavoidable, serious, and documented** circumstances, contact the professor ASAP with your documentation, and your final exam will be weighted more heavily.

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### **Important Resources:**

- The Math 111/112 **Math Study Center (Communications' basement, room B-006)** is open Monday through Thursday, 12:30-4:30. It provides a comfortable place and a supportive atmosphere for students to 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 the link on our class website for more details.
  - The Center for Learning and Undergraduate Enrichment (CLUE) holds drop-in tutoring sessions every Sunday through Thursday 7pm to midnight in Mary Gates Hall Commons. See <http://depts.washington.edu/clue/>.
  - Your professor's and your TA's office hours.
  - 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.
  - The Student Counseling Center holds 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/counsels/services/workshops/workshops.html>
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### **Things to do before the next lecture:**

1. purchase your text from Professional Copy'N'Print.
2. print the lecture materials from our class website and bring these to every lecture
3. get a clear plastic ruler and a scientific calculator and bring these to every class
4. go to the course website, locate and familiarize yourself with the following:
  - the schedule for the quarter
  - the homework schedule for the quarter and the homework rules listed below (read carefully)
  - a list of Tips and FAQs (read these carefully!)
  - the grading scale for this course (note that it is stricter than the scheme for Math 111)
  - information about the Math Study Center, the Student Counseling Center, and CLUE
5. start working on Homework 1 by answering the questions from Worksheet 1.  
Homework 1 consists of writing up neatly complete answers to all the questions from the first four textbook worksheets. It will be collected in class on Wednesday, January 13.