Math 148 Syllabus

Course Title: Business Calculus
Quarter: Fall 2012
Time and Location: Daily, 11 - 11:50 am, CC 3353
Instructor: Martin Weinless
Office: IB 2423C, cubicle 14
Office Hours: By appointment
email: Martin.Weinless@seattlecolleges.edu
Website URL: http://facweb.northseattle.edu/mweinless/148

REQUIRED TEXT:

PREREQUISITES:
Completion of MATH 116 or MATH 141 with a grade of 2.5 or better.

COURSE OVERVIEW
Mathematics 148 is a one quarter survey course of the main concepts of calculus, with emphasis on business and economics applications. The principal topics include limits and continuity, the derivative, applications of the derivative to graphing and optimization, indefinite and definite integrals, and the fundamental theorem of calculus. Throughout the course we will consider applications of these topics and subtopics. The course is application oriented rather than theory based, but a basic understanding of the material is required if you plan on a further study of business or economics.

CALCULATOR POLICY:
You are allowed to use calculators on in class exams. However, all communication devices and computers MUST be turned off during class and during exams. I reserve the right to ask you to leave the class if this policy is ignored. The only exception to the use of a computer during class is if you must use it for taking notes.

CLASS POLICY:
Attending the lectures is a fundamental part of the course; you are responsible for all material presented in the lectures whether you were there or not. Exams will be based on the lectures and readings. You are responsible for any work you missed.

Reading the assigned text sections is considered part of the homework assignments; you are responsible for the material in the assigned readings whether or not discussed in class. Read the assigned material both before and after the lectures.

Class participation is equally important. Be prepared to ask questions about the readings and about homework problems. Make use of office hours if your questions are time intensive.
COURSE OUTLINE:
We will cover the following text material:

Chapter 10, sections 1, 2, 3, 4
Chapter 11, sections 1, 2, 3, 4, 5
Chapter 12, sections 1, 2, 3, 4, (6), 7
Chapter 13, sections 1, 2, 3, 4, 6
Chapter 14, sections 1, 2, 3, 5, 6, 7, 9

If time permits, we will also cover sections 1, 2 and 6 in chapter 17.

HOMEWORK:
I will assign homework on a regular basis. It is your responsibility to keep track of the assignments and to attempt them. I will NOT collect and grade homework, however, be prepared to ask about specific problems. **You must keep up with the homework assignments in order to be in synch with the classwork.** Think of problem solving as an integral part of the learning process. The course will probably make more sense if you can read or at least browse through the relevant sections of the book before each class.

READING and LECTURE SCHEDULE:
I will try to keep to the following schedule (based on covering 28 sections in 11 weeks of class and allowing for 4 one hour exams):

Week 1, Chapter 10, sections 1, 2, 3, 4
Week 2, Chapter 11, sections 1, 2, 3
Week 3, Chapter 11, sections 4, 5
Week 4, Chapter 4, sections 1, 2, 3; Chapter 12, section 1
Week 5, Chapter 12, sections 2, 3, 4, (6), 7
Week 6, Chapter 13, sections 1, 2, 3, 4
Week 7, Chapter 13, section 6; Chapter 2, section 8
Week 8, Chapter 17, sections 1, 2, 6
Week 9, Chapter 14, section 1, 2
Week 10, Chapter 14, sections 3, 4
Week 11, Chapter 14, sections 6, 7, 9

Week 12, Finals week: **final exam, Chapter 14, possibly 17**

Covering 2, 3 or 4 sections per week means it is your responsibility to keep up with the homework and readings.
EXAMS and FINAL:

This section is somewhat redundant, but to repeat, there will be four in-class exams, each lasting 60 minutes and a final exam lasting 2 hours. I will plan the date of each exam to correspond to the completion of at least one chapter. But in reality, the material is cumulative. I will use the class website to post exam dates.

The hourly exams and final are closed book, with calculators allowed. There are NO make up exams including the final unless you have a compelling and well documented reason for missing a test. Vacation plans, family gatherings, missing the bus and work conflicts are not acceptable excuses. Furthermore, if you do not take the final exam, you cannot pass the course.

GRADING:

The breakdown of your final grade is: the four one hour exams 80% and the final 20%.

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You must take the final exam in order to pass the course.

If you stop attending the class without officially withdrawing from the course by the withdrawal deadline, you will receive a grade of 'F' for the course. The last official withdrawal date is November 16th.

DISABILITY SERVICES:

The school will provide reasonable accommodations and academic adjustments for persons with documented disabilities, as indicated in the catalog. Students need to contact the Disability Support Services in room CC 2346A (https://northseattle.edu/disability-services) at the beginning of the semester to ensure that classroom and academic accommodations are implemented in a timely fashion. All communication between students, the Director of Student Services, and the professor, concerning special needs will be strictly confidential.

SUPPLEMENTAL INFORMATION:

Make use to the Math Learning Center (MLC) for additional help and as a place to do homework. Working in groups is a good way of learning the material.

The URL is http://webshare.northseattle.edu/MLC for the location and hours.

DISCLAIMER:

The syllabus is subject to modification at the discretion of the instructor.