

## Fall 2014: MATH 236 Business Calculus

Section 4498: MW 7:15-9:50PM (MSA 003)

(Course Pre-requisite: Passed Math 125 with a C or better or placed appropriately through Placement Test)

**Mr. Jason Wang**

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Office: MSA 003 // Office Hours: 6:30PM-7:00PM

### Required Textbooks/Materials

***Calculus for Business, Economics, Life Sciences and Social Sciences (11<sup>th</sup> Edition)***

Authors: Raymond A. Barnett, Michael R. Ziegler, Karl E. Byleen

Publisher: Prentice Hall; 11<sup>th</sup> edition (March 29, 2007)

ISBN-10: 0132328186

ISBN-13: 978-0132328180

### Course Overview

This course is designed for business majors or social science majors. It consists of elementary differential and integral calculus, exponential and logarithmic functions, and their applications to business and social sciences.

### Student Learning Outcomes (SLOs)

1. Student will solve economics and business or related applications by using the concept of derivatives or anti-derivatives.

### Assessment of Student Learning Outcomes

Student learning is at the core of the WLAC mission. WLAC faculty developed a plan to assess the student-learning outcomes that represent the knowledge, skills and attitudes expected of (someone in our major/a college student). In this class one or more student learning outcomes will be assessed. Some of our class assignments may be used to evaluate overall student learning and to improve teaching and learning in this class, this department, and throughout the College.

Performance Evaluation Policy

Your performance in the class will be measured by the following criteria:

Homework	<b>17%</b>
Quizzes/In-class activities	<b>13%</b>
Midterm Exams (4 Exams x 11%)	<b>44%</b>
Final Exam	<b>26%</b>
<b>Total</b>	<b>100%</b>

**Homework:** In Math 236, homework will be assigned throughout the semester and various assignments will be collected and graded (which assignments are assigned is up to the Instructor's discretion). The grading standard will be discussed further during class.

**Quizzes/In-Class Activities** In order to better prepare students for the midterms & final, there will be quizzes and/or in-class activities. These items will tend to cover topics covered in the lecture as well as topics covered in the homework. Therefore, it is highly recommended that students constantly review lecture notes as well as thoroughly understand the steps to solve the various homework problems.

**Midterm Exams** There will be **4 midterm exams** over the semester. The **dates of the exams** are already tentatively set and marked in the course calendar on the last page of this syllabus, and **no advanced or make-up exam** will be granted unless you have to take an exam earlier/later due to compelling and unforeseeable causes (e.g., accident, severe illness, family death, other emergencies that prevent you from coming to school), with **valid documentation**.

**Final Exam** The final exam will be held on **Monday, December 15 from 7:15-9:15PM**. It will be **comprehensive**, i.e., it covers all major topics studied over the entire semester. It is based on, but more in-depth than, the in-class examples, exercises, homework assignments, and the midterm exams. The aforementioned policy on missed midterm exams applies to the final exam.

Grading scale:

90 - 100%: A

80-90%: B

70-79%: C

60-69%: D

59% &amp; below: F

Please know that it is my personal policy to stick as firmly as possible to the above grading scale. This is to avoid any difficult situations where students wonder at the end of the semester if it is possible to ask for additional 0.5 points or even 50 points. Therefore, it is strongly required that students take all homework assignments, tests, and activities as seriously as possible, in order to obtain the highest possible grade in the class.

Other Information and Policies

**Lecture Notes:** In order to better facilitate learning, Student Version of the class lecture notes will be uploaded the night before the lecture. Students are asked to download the notes ahead of time and bring them to the next class lecture, if this best suits their learning style. However, the professor will lecture using the provided lecture notes, so students need to be aware of the lecture speed. The website to download lecture notes will be given in class.

**Email Address** Check your *Contact Information* in the WLAC system to make sure your *preferred* email address is one that you actually access on a daily basis. The instructor will occasionally send course-related messages to the class, and the university also sends official notifications to your preferred email address.

**Calculator Use** Calculators are useful tools for learning, but in this class, **calculators will not be allowed on most exams**. Please also try not to use your calculators during homework assignments, in order to better prepare you for the exams.

**Attendance:** Students are expected to attend class, as attendance to all class sessions is required, and attendance will be taken daily. Please plan your schedule so that you arrive on time. Significant number of absences will affect your grade, and students may be dropped due to excessive absences, such as missing more than 3 lectures

**Drop:** Students should not assume that they will be officially dropped from the class role by the instructor, as it is the student's own responsibility to drop the class. Please check the WLAC calendar to find out the last day to drop with a "W."

**Office Hours** You are encouraged to visit the instructor during office hours. However, an office hour might be cancelled due to the instructor's illness, necessary appointments or duties, or academic travel. You should not rely on a particular office hour for very important or urgent matters such as getting a necessary signature on the exact day of a deadline. Contact the instructor well in advance for such matters, whenever possible.

**Academic Honesty** The academic environment is predicated on truth and integrity. Acts of dishonesty constitute a serious offense to the WLAC Community. Acts of academic dishonesty include, but are not limited to, the following:

**Cheating:** Cheating of any kind is dishonest. This includes copying other's exams, stealing exams, buying or otherwise procuring new or used exams, having someone else take an exam for which you take credit, and any other way you might receive credit for work that is not your own.

**Academic Freedom:** Students and faculty's freedom of speech is constitutionally protected, so they are free to take reasoned exception to the data or views offered in any course of study and to reserve judgment about matters of opinion—and allow the same freedom for others. See Student Handbook(s) for further discussion.

**Disability/Accommodation Policy:** WLAC, in compliance with state and federal laws and regulations, does not discriminate on the basis of disability. If you have a disability and might need accommodations in this class, please contact *Disabled Student Program & Services* (DSPS) in Building HLRC 121 as soon as possible to ensure that you receive the accommodations in a timely manner. You may also discuss your need for accommodations with me.

**Course Calendar (Tentative)**

Week 1 (9/1 – 9/3/14): **Holiday (Labor Day)**, Chapter 1

Week 2 (9/8 – 9/10/14): Chapter 1, Chapter 2

Week 3 (9/15 – 9/17/14): Chapter 2, **Midterm #1 (Chapter 1 & 2)**

Week 4 (9/22 – 9/24/14): Chapter 3

Week 5 (9/29 – 10/1/14): Chapter 3 & Chapter 4

Week 6 (10/6 – 10/8/14): Chapter 4

Week 7 (10/13 – 10/15/14): Chapter 5, **Midterm #2 (Chapter 3 & 4)**

Week 8 (10/20 – 10/22/14): Chapter 5

Week 9 (10/27 – 10/29/14): Chapter 6 , **Midterm #3 (Chapter 5)**

Week 10 (11/3 – 11/5/14): Chapter 6

Week 11 (11/10 – 11/12/14): Chapter 6,

Week 12 (11/17 – 11/19/14): Chapter 7

Week 13 (11/24 – 11/26/14): Chapter 7, **Midterm #4 (Chapter 6 & 7)**

Week 14 (12/1 – 12/3/14): Chapter 8

Week 15 (12/8 – 12/10/14): Chapter 8, **Final Review**,

**Course Calendar (Tentative)**

Week 1 (9/1 – 9/3/14): **Holiday (Labor Day)**, Sections 1.1 – 1.2

Week 2 (9/8 – 9/10/14): Sections 2.1 – 2.3, Sections 2.3 – 2.5

Week 3 (9/15 – 9/17/14): Midterm Review & Section 3.1, **Midterm #1 (Chapter 1 & 2)**

Week 4 (9/22 – 9/24/14): Sections 3.2 – 3.3, Sections 3.3 – 3.5.

Week 5 (9/29 – 10/1/14): Sections 3.6 – 3.7, Sections 4.1 – 4.3

Week 6 (10/6 – 10/8/14): Sections 4.4 – 4.6

Week 7 (10/13 – 10/15/14): Section 4.6 & Midterm Review, **Midterm #2 (Chapter 3 & 4)**

Week 8 (10/20 – 10/22/14): Section 5.1 – 5.3, Section 5.3 – 5.5

Week 9 (10/27 – 10/29/14): Section 6.1 & Midterm Review , **Midterm #3 (Chapter 5)**

Week 10 (11/3 – 11/5/14): Sections 6.2 – 6.3, Sections 6.4 – 6.5

Week 11 (11/10 – 11/12/14): Sections 7.1 – Sections 7.2, Sections 7.3 – 7.4

Week 12 (11/17 – 11/19/14): Section 8.1 & Midterm Review, **Midterm #4 (Chapter 6 & 7)**

Week 13 (11/24 – 11/26/14): Sections 8.2 – 8.3, Sections 8.4 & 8.6

Week 14 (12/1 – 12/3/14): Sections 8.6

Week 15 (12/8 – 12/10/14): Chapter 8, **Final Review**,

21 class dates

1.1	3.2	5.3	7.4
1.2	3.3	5.4	
	3.4	5.5	
	3.5	5.6	
	3.6		8.1
	3.7	6.1	8.2
	4.1	6.2	8.3
2.1	4.2	6.3	8.4
2.2	4.3	6.4	8.6
2.3	4.4	6.5	8.7
2.4	4.5		
2.5	4.6		
		7.1	
	5.1	7.2	
3.1	5.2	7.3	

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