

Syllabus for
Business Calculus (Math 236)

Course: Business Calculus (Math 236)
 Prerequisite: Intermediate Algebra (Math 125)
 Class time: MW 7:15pm-9:50pm
 Instructor: Peter H. Lee
 Office Hours: MW 7:00-7:15pm, 9:50-10:05pm
 Phone: 310-434-3519
 Email: lee_peter@smc.edu (when you write me, identify yourself and your class)
 Textbook: Calculus for Business, Econ, Life Sci, Soc Sci (may rent at the bookstore)
 Calculator: May use a calculator, but required.
 Attendance: Attendance at all classes is required. You are responsible for lecture material and announcements given during classes.
 Homework: Some Homework may be assigned for extra credit.

Notes and sample tests: http://homepage.smc.edu/lee_peter/w236

Study Advice: Read all problems and solve enough problems at your own pace.

Practice to solve problems **without ANY help, without text, without notes.**

After you study lecture notes and textbook examples, (1) Print out a new set of notes and do the problems on your own **without ANY help, without text, without notes.**

(2) On a blank sheet of paper, **without ANY help, without text, without notes,** for each section, write a section summary, including all definitions, formulas, theorems, and **typical problems**. This means, you should have memorized* the definitions and formulas and know how to WRITE them (mathematically in your own words.) Do the same for each chapter. (3) Always consider reverse problems and variations on each problem.

Grading: In order to pass (C or above) this course, you **MUST** score 65% or higher on the cumulative final exam, regardless of your midterm scores.
 Problems on tests will be as difficult as the exercises in the textbook.
 Some problems on tests may come from outside the text.
If your final exam score is 60% or higher, then the course grade is calculated as follows:

Cumulative Final Exam	40 %
All midterms (5 or 6)	60 %
No make up exams	

Grading Scale: A \geq 87%, B \geq 75%, C \geq 65%, D \geq 60%

Student Learning Outcomes: Every student who completes this course successfully should be able to evaluate various limits, differentiate and integrate basic functions, manually graph various functions, solve related rates and optimization problems, find partial derivatives of multivariable functions, find extreme points of surfaces, evaluate basic double integrals, and solve various word problems and some problems involving business concepts.

Business Calculus Tentative lecture schedule

Fall 2013

Aug 26 (M): Orientation, A2, A3, A4, A5
28 (W): A6, A7, 1.1, 1.2

Sep 2 (M): No Class (Labor Day)
4 (W): Midterm 0 (A, 1.1, 1.2)

9 (M): 2.1, 2.2, 2.3
11 (W): 2.4, 2.5

16 (M): Midterm I (chapters A, 1, 2)
18 (W): 3.1, 3.2, 3.3

23 (M): 3.4, 3.5
25 (W): 3.6, 3.7

Oct 30 (M): 4.1, 4.2
2 (W): 4.3, 4.4

7 (M): 4.5, 4.6
9 (W): Midterm 2 (chap 3, 4)

14 (M): 5.1, 5.2
16 (W): 5.3, 5.4

21 (M): 5.5, 5.6
23 (W): Midterm III (chap 5)

28 (M): 6.1, 6.2
30 (W): 6.3, 6.4

Nov 4 (M): 6.5
6 (W): 7.1, 7.2

11 (M): No Class (Veteran's Day)
13 (W): 7.3, (7.4)

18 (M): Midterm 4 (chap 6, 7)
20 (W): 8.1, 8.2

25 (M): 8.3, 8.6
27 (W): 8.7

Dec 2 (M): Midterm 5 (chap 8)
4 (W): ??

9 (M): **Cumulative Final Exam**