



Prince Sultan University
Department of Mathematical Science
SYLLABUS
MATH 211 (Term 082)
Dr. Aiman Mukheimer

Course : MATH 211

Title : Business Calculus

Textbook : Calculus for Business, Economics, and the Social and life Sciences

By: Laurence D. Hoffmann and Gerald Bradley; 9th Edition.

Objectives : To prepare students for a career in business, economics, and to teach the techniques of Differentiation and Integral Calculus that students are likely to encounter in undergraduate courses

Week#	Date	Text Sections	Topic
1	Feb. 28 --- March 04	1.1 1.2	Functions The Graph of a Function
2	March 07 --- March 11	1.3 1.4	Linear Functions Functional Models
3	March 14 --- March 18	1.5 1.6	Limits Continuity
4	March 21 --- March 25	2.1 2.2	The Derivative: Slope and Rates Techniques of Differentiation
5	March 28 --- April 01	2.3 2.4	The Product and Quotient Rules The Chain Rule
6	April 04 --- April 08	2.5 2.6	Marginal Analysis Implicit Differentiation
7	April 11--- April 15	3.1 3.2	Increasing and Decreasing Functions Concavity
8	April 18 --- April 22 April 20, 2009	3.3 3.4	Curve Sketching Optimization Exam I (1.1 –3.3) on Monday April 20, 2009
Mid-Term Break (25 ---- 29 April)			
9	May 02 --- May 06	3.4 3.5	Optimization Additional Applied Optimization
May 06, 2009 Last day for dropping course(s) with grade of "W"			
10	May 09 --- May 13	4.1 4.2 4.3	Exponential Functions Logarithmic Functions Differ. of Logarithmic & Exponential Functions
May 13, 2009 Last day for withdrawal from all courses with grade of "W"			
11	May 16 --- May 20	5.1 5.2	Anti-differentiation : The Indefinite Integral Integration by Substitution
12	May 23 --- May 27	5.3 5.4	Definite Integration Area between curves
13	May 30 --- June 03	5.5 6.1	Applications for Business and Economics Integration by Parts
14	June 06 --- June June 6 , 2009	7.1	Functions of Several Variables Exam II (3.3–5.5) on Saturday June 6, 2008
June 10, 2009 Last day for withdrawal from all course(s) with grade of "WP/WF"			
15	June 13 --- June 17	7.2	Partial Derivatives Review

Grading Policy:

Exam I: 20%

Exam II: 20%

Class Work: 20%

Final Exam: 40%

The class work grade is expected to reflect the performance of the student throughout the semester and is based on at least 15 quizzes, and home works

Class attendance:

- Students should not **miss** any class lecture without a legitimate excuse.
- If you **miss** a class with a legitimate excuse, you should contact the student's affairs within a week.
- In case a student **misses** a class, he must contact any one of his classmates to get all information and topics covered of classes he **missed**.
- “**DN Grade**” will be issued to a student who **misses 13 classes**. This means you cannot enter any more classes or exams. (**1st warning; 5 absences; 2nd warning: 9 absences**).
- It is your responsibility to **check** your number of absences regularly.
- It is very important that you be in class **on time**.
- The attendance will be taken during the **first 5 minutes** of the class. If you come to class after 5 minutes, you will be marked **absent**.
- From the past experience, **absence** is the biggest reason for failing, so make sure you are in class at all times.

Quizzes and Class work:

- Quizzes will be given at the **beginning** of some lessons. The quiz covers the materials discussed during the previous lectures. (There is no make up for the quizzes)
- For the best performance in the course you need to do the **HOMEWORK PROBLEMS** that are given to you along with the SYLLABUS to be ready for the quizzes and the exams although you are not required to turn them in. If you wish to do so, you can discuss your solutions with your instructor.
- Quizzes, Home works and class work contribute 20% to your total grade.

Exams:

- There will be Two Major Exams given during the term. The date and the materials included in the exam are shown on the SYLLABUS.
- A Final exam at the end of the term covers all the subjects taken during the term and is worth 40% of your total grade.

Calculators:

- Scientific Calculators are required and needed in this course. (No Graphing Calculators)

Office Hours:

- You are advised and encouraged to seek help to clarify matters that are not clear to you as soon as possible