

MAC 2233 CALCULUS FOR BUSINESS

3 Credits *Lecture Time:* MWF 12:00PM to 12:50PM *Room* AC-1 130 *Ref. No.* 85188

Instructor: Randy Smith

Office: Room AC-1 386A ***Hours:*** MWF [1:00PM–1:30PM]

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Description: The course includes methods to find limits, derivatives, integrals of polynomial functions, rational functions, exponential functions, logarithmic functions, etc. Also, introduction to multivariable calculus and relevant applications.

Prerequisite: MAC 1105 with a grade of “C” or better.

Textbook: *Calculus For Business, Economics, and the Social and Life Sciences*, Tenth Edition, by Laurence Hoffmann and Gerald Bradley. McGraw Hill.

Course Material: Chapter 1 (1.5,1.6); Chapter 2 (2.1 – 2.5); Chapter 3 (3.1 – 3.5); Chapter 4 (4.1 – 4.4); Chapter 5 (5.1 – 5.5); Chapter 7 (7.1 – 7.3). Some sections may not be discussed entirely.

Grading: 1) Three exams 23.33% each.....70%
 3) Final Exam30%

Note:

- Exam 1: September 23, 2009 (sections 1.5,1.6, 2.1 – 2.5)
- Exam 2: October 23, 2009 (sections 3.1 – 3.5, 4.1 – 4.4)
- Exam 3: November 25, 2009 (sections 5.1 – 5.5, 7.1 – 7.3)
- Final Exam: December 7, 2009 (Cumulative)

NOTES: 1) If your score on the final exam is greater than your lowest test grade, then your final exam grade will replace this lowest grade. If your lowest test grade occurs more than once, only one of them is replaced.

2) If you are absent on a test day, your grade on that test is zero and it is automatically your lowest test grade. So, the final exam grade will replace it. If you are absent on a test day more than once, every absence after the first counts as zero. **ABSOLUTELY, NO MAKE-UP TESTS AND I DO NOT CURVE GRADES.**

3) Absence on the final exam will result in the grade “F” in this course, regardless of your performance during the term. I will not consider any requests to reschedule the final exam regardless of the reason offered. It is the student’s responsibility (not the instructor’s) to consult the final exam schedule prior to the end of the drop-add period with no financial penalties. You must make all necessary arrangements to ensure that you are free of other obligations that might conflict with the final exam in this course. If you cannot attend the final exam as scheduled, then you should drop the course with refund by the date indicated by the Registrar Office (**Aug 29th, 2009**). There will not be any makeup tests. Remember that the final exam week is **Dec 7th to Dec 12th, 2009**. You must be available to take any final exam during that week. I will not accept any excuses like prior travel plans, non-refundable tickets, etc.

4) Exams are free response questions. Although correct answers are necessary to receive full credit, most of the credit earned from each test question will be for the manner that you show the correct procedure, correct notation, and the correct thought process to get to the answer. A correct answer with little or no supporting work is virtually worthless, while an incorrect answer with meaningful supporting work (except with some sort of minor error) may be worth almost full credit. No exceptions.

Computation of grades: Graded work will be assigned a positive number from 0 to 100. The grade in this course will be calculated as follows:

Example: Suppose that at the end of the term a student has the following record:

Exam 1: (92); Exam 2: (81); Exam 3: (72); Final Exam: (85).

The weighted average of all points is: $0.2333(92 + 81 + 85) + 0.30(85) = \mathbf{82.66 \text{ points}}$

Therefore, this student earns a grade “B” in this course.

Grading Scale: Letter grades will be assigned according to the following scale:

[A: 93 - 100 %]; [A-: 89 - <93%]; [B+: 85 - <89%]; [B: 82 - <85%]; [B-: 79 - <82%];

[C+: 75 - <79%]; [C: 69 - <75%]; [D+: 65 - <69%]; [D: 59 - <65%]; [F: 0 - <59%]

Notes:

(1) Absolutely, no makeup tests (no exceptions). If you miss a test and have a legitimate/valid excuse, then your final exam grade will be used to replace the missing grade. If you do not have a legitimate/valid excuse for being absent on a test day, your grade on that test will be zero. If you miss the final exam and do not have a legitimate/valid excuse, you will automatically fail this course with the grade "F," regardless of your performance during the term.

(2) Final examinations given this term will be kept in the math department office for a period of one year. If you would like to view your final exam, you can do so until Dec 12th, 2010. After this date, the final examinations given this term will be shredded and you will no longer have access to your final exam.

Assistance: Free individual tutoring is available at the Math Lab (Room **AC-1 374**).

Lab Hours: (AC-1 374): MTWRF [TBA]. Closed on the days when the university is closed.

Additional Assistance: Learning Center (call 305-348-2180 at UP and 305-919-5927 at BBC);
Multicultural Student Services (call 305-348-2436).

MORE INFORMATION about math help can be found at http://w3.fiu.edu/math/math_help/math_help.htm

Note: Please be advised that the Math Lab tutors will not reproduce for you a professor's lecture that you missed. Similarly, during my office hours, I will not reproduce for you any lecture that you missed. Lectures are exclusively conducted during the lecture times stipulated above. No exceptions.

Calculator Policy: The department of mathematics prohibits the use of graphing calculators in this course. When authorized, students must use a nonprogrammable/nongraphing/scientific calculator. If you come to exams with the wrong calculator or with no calculator at all, then you must take those exams without a calculator. Sharing calculators among students is prohibited. An unauthorized use of calculators is also considered an act of academic misconduct.

Registration: It is the student's responsibility (not the instructor's) to make sure that you (the student) are officially registered for this course. Please be sure to obtain a copy of your schedule to verify the class number and that you do not owe any fees. If your name does not appear on the roster at the time to enter the grades in the Panther Soft system as being registered and having paid all required fees, you will not receive a grade for this course and you will have to retake it at a later term, regardless of your performance or whether you sat in class the entire term.

Attendance: I may take attendance at any time during every class meeting (beginning, middle, or near the end), maybe twice in one day. If I call a student's name and the student does not respond, this student will be marked absent. Two times late to class count as one absence. Leaving the class before it ends counts as one absence. If you leave the classroom during an exam you must return the exam to the instructor before leaving. You will not be allowed back in the classroom for the rest of the examination period. I strongly recommend that students attend all scheduled class meetings. You, the student, are responsible for all material discussed in class, as well as announcements made, handouts, and homework assignments, whether or not you (the student) are present during the class meeting. If you must be absent some day, please find out what took place in class during your absence, prior to returning to class. Unacceptable excuses include (but are not limited to) "I wasn't here," "I was unable to make it," "I was sick," "I couldn't get a ride," "I had to take my cousin to the airport," "My garage door got stuck," "My dog ate my homework," "I had to take my dog to the vet," "I went to the bank, there was a robbery, and I was taken hostage," or the like. If you are absent on a test day, your grade will be zero on that test. There are no makeup tests (absolutely no exceptions). An absence might be excusable if it is documented

with a letter from a doctor or health center, a letter from the Dean or student's advisor, or with a police report of the student's accident or incident. All original documentation must be submitted to the instructor upon return to class (no photocopies, no facsimiles will be accepted). The information contained in the documentation is subject to verification. If the information is valid, I will replace the missing grade with the grade that the student earns on the final exam (please refer to grading policy notes above). If the information cannot be verified or no documentation is submitted, the student will earn zero on every test (or exercise) associated with such information. Absence on the final exam day without valid excuse and documentation will result in an "F" grade in this course, regardless of your prior performance.

Withdrawal: If you (the student) must withdraw from this class, it is important that you withdraw by the university's "Last Day to Withdraw with a Grade of **DR**," (Oct 16th, 2009), established by the Registrar's Office. Remember that it is your responsibility (not the instructor's, not the university's) to drop out of a course and follow all official procedures through the Registrar's Office. Stopping class attendance does not mean that you withdrew from this course.

Academic Misconduct (Academic Dishonesty) : The use of cellular phones (in any form or manner) during examinations or quizzes is considered an act of academic dishonesty. Similarly, unauthorized use of calculators, textbooks, class notes, computers, cellular phones/ipods/iphones/blackberries and/or other communication/electronic devices, cheat sheets, talking to classmates, looking at your classmates' papers during tests or exercises, giving or receiving assistance on a test, quiz, or homework assignment for which such assistance is not permitted, sending another person (an impostor or a ringer) to take tests for you, falsifying a document to obtain an excusal from a test, using unauthorized calculators on a test or class exercise, etc... are all considered (and are not limited to) acts of cheating or acts of academic misconduct. Cheating and/or Academic Misconduct are not permitted. Students caught in any act of cheating will be formally charged with Academic Misconduct (Academic Dishonesty). A more complete definition of Academic Misconduct is given in the Student Hand-Book. Penalties for Academic Misconduct range from an "F" in the course to expulsion from the university.

Note: Please keep your cellular phones and all electronic devices turned off during lectures and examinations. The use of cellular phones and/or electronic devices (in any form or manner) is considered an act of Academic Dishonesty. Also, please do not bring children, family members, friends, or food to lectures or to the tutoring offices because they might not be allowed in.

Incomplete Grade Policy: No incomplete grade will be given to any student.

Classroom Etiquette: To create and preserve a classroom atmosphere that optimizes teaching and learning, students are expected to conduct themselves at all times in a manner that does not disrupt teaching or learning. You are expected to come prepared to class, be on time and remain in the classroom for the duration of the lecture. Talking, eating, sleeping, checking e-mail, using a phone, a computer, reading a newspaper, preparing for another class, packing up early is disruptive to others around you and to the instructor. Though classroom participation is always welcomed, questions and comments must be relevant to the topic at hand. If you have a question or comment, raise your hand to be recognized. Electronic devices such as cell phones, iphones, ipods, blackberries, and computers must be turned off during class and during examinations. Student conduct which disrupts the learning process shall not be tolerated and may lead to disciplinary action and/or removal from class.

School Closed:

Monday, Sep 7th (Labor Day); Wednesday, Nov 11 (Veteran's Day); Nov 26, 27, 28, 29 (Thanksgiving Recess). Final Examination Week: December 7th – 12th