

MAC 2233 Section 30

Calculus for Business and Social Sciences

Instr: Jamieson

2011 Summer

TuTh 4:30 – 8:20pm, 7-111

Credit Hours: 3

Instructor: Michael Jamieson

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Phone: 854-2322 Extn 1254

Hours: TuTh 3:30 – 4:20; or by appt.

Extended Emergency Closure For emergency campus closings (natural disasters, etc.) call 352-291-4499 or 800-831-9244 or check our website www.CF.edu.

Teaching philosophy:

- The instructional and other staff at *this educational institution will support your educational endeavors.*
- The primary determination of your educational progress is *your effort.*
- I will be clear about what competencies I want you to develop and provide ample opportunity to practice
- I will describe and illustrate various ways of solving problems. You should choose what works best for you.

Course Description: An introduction to calculus with applications to business and the social sciences. The course includes the study of functions, limits, continuity, differentiation and integration of algebraic, logarithmic and exponential functions, rates of change and curve sketching. Emphasis is on modeling and practical applications in solving business, economic and social science problems. Graphing calculator and/or algebraic system work is required in this course.

Pre-requisite: MAC 1140 with a grade of “C” or better or a CLM score of at least 103.

~~**Required eText:** MyMathLab access code for Calculus for Business, Economics, Life Sciences and Social Sciences, 12th ed.~~

~~**Author:** Barnett, Ziegler, Byleen~~

~~**ISBN:** available through <http://coursecompass.com/>~~

~~**Pearson CourseID:** jamieson38076~~

Additional Required Materials: Graphing calculator (TI-83/84 recommended; TI-89 and similar calculators with symbolic algebra capability are **not allowed on tests**)

Optional Materials: *Calculus for Business, Economics, Life Sciences and Social Sciences*, 12th ed.

Sharing a calculator is like sharing scrap paper – it constitutes cheating.

Any **use of a cell phone during tests** will be taken as cheating and will result in an F in the class. Use of a cell phone during any class may be taken as rude and distracting. Any student using a cell phone during class may be required to stop. Repeated incidents may lead to disciplinary action up to or including being dropped from the class.

Cheating and/or plagiarism in any form will not be tolerated. It will result in an F in the class with no opportunity for withdrawal, and may result in disciplinary actions leading to suspension or expulsion from school.

College-wide Student Learning Outcomes

<http://inside.cf.edu/departments/curriculum/Learning%20Outcomes%20Subcommittee/2009-2010/Other%20Documents/L.O.%20Course-related%20Matrix%20Template%208-15-09.doc>

Learning Outcomes for this Course

Exam

Communication: The student will read, write, speak, and listen effectively.

1. Read materials and effectively understand essential facts and concepts.

x

Quantitative and Analytical Reasoning: The student will understand and apply mathematical and scientific principles and methods.

1. Perform accurate computations using order of operations with and without technology.

x

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| 2. Identify and organize relevant information and complete the solution of an applied problem. | X |
| 3. Interpret and communicate understanding of visual representations of data. | X |
| 4. Demonstrate mathematical number sense and unit sense. | X |

Assessment: 125 total points in the course

Three tests, 25 points each (20% each); class activities, 12 points (9.6%); comprehensive final exam, 38 points (30.4%). No make-ups for class activities. No tests are dropped.

Test dates: July 7, July 19, July 28**Final:** Tuesday, August 6, 5pm**College Grading System**

A: $\geq 90\%$	B+: $\geq 87\%$	C+: $\geq 77\%$	D: $\geq 60\%$
	B: $\geq 80\%$	C: $\geq 70\%$	F: $< 60\%$

Make-ups for tests will be given only for documented, **serious** excuses – vacation plans are **NOT** serious excuses. Discuss foreseeable conflicts with me as soon as possible to see if you need to change sections. You must **contact me by the day of a missed test** for a make-up to be considered. Any **questions regarding grading** must be addressed within one week of when I return the test to the class.

Tentative Schedule

Date	Day	Sec
6/28	1	3.1 – 3
6/30	2	3.4 – 5, 4.2
7/5	3	4.4, part of 4.2
7/7	4	Test 1; finish 4.2

Date	Day	Sec
7/12	5	3.5 – 6, 4.5 – 6
7/14	6	5.1 – 2, 5.5 – 6
7/19	7	Test 2; 5.4
7/21	8	6.2

Date	Day	Sec
7/26	9	6.2, 6.3
7/28	10	Test 3; 6.4
8/2	11	6.5
8/4	12	Final

Due to unforeseen events, it may be necessary for the course schedule to be altered. The instructor will always strive to be fair about any changes.

VI. College Policies (dates are for Summer 2011)

Academic Integrity – Cheating and/or plagiarism will not be tolerated and may result in an “F” for the course as well as disciplinary action under the Code of Student Conduct. A student may be referred to an Academic Integrity Seminar. This two-hour seminar costs \$40 and attendance is required (see Student Planner).

Access Services – It is your responsibility to register with the Access Services Office should you have a verifiable and documented disability which may require reasonable accommodation(s). Further, it is your responsibility to provide your instructor with the Faculty Notification Sheet, which sets forth the reasonable accommodation(s) determined by the Access Services Office. Registration with Access Services should be done at the beginning of the Term. For information see <http://www.cf.edu/departments/sa/access/>.

Classroom Decorum – Disruptive behavior will not be tolerated. Disruptive students will be asked to leave the classroom. Continuous disruptive behavior will result in withdrawal from the course and disciplinary action under the Code of Student Conduct (see Student Planner).

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Withdrawal – If you want to withdraw from this class, you must fill out the necessary forms and have them signed by the appropriate parties. If you just “stop coming to class” after the posted drop date, you may receive the grade of “F.”

- Add/Drop period: Summer B – June 27-28
- Drop only: Summer B – June 29
- Last date for a refund: Summer B – June 29
- Last day to withdraw with a “W”: Summer B – July 20

The college reserves the right to evaluate individual cases of non-attendance.

Students should be alerted to the fact that

1. withdrawals do not count in the CF G.P.A, but may not be viewed favorably at the university level or for financial aid;
2. a withdrawal counts as an attempt under the forgiveness/withdrawal policy and the course repeat policy;
3. there are increased costs to take the course on the third attempt.
4. there may be a reason a withdrawal request may be denied. Please see the College’s withdrawal procedures.

College Preparatory Courses – State law requires no more than three attempts TOTAL to complete all college preparatory (English, mathematics and reading) courses. Students registered in college prep courses who receive N grade must repeat the same course and complete it with a grade of C or better before they can register for other courses that require the successful completion of the prep as a requirement.