

BUSINESS CALCULUS- MAC 2233 (BBC)
COURSE SYLLABUS
Spring 2019

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Office Hours:

W: 12:45 – 1:45 in AC1 326, 4:00 – 5:00 in AC1 326

Th: 11:00AM – 1:00PM in AC1 389

F: 11:30AM – 1:30PM in AC1 326

and by appointment

NOTE: This syllabus is subject to change

COURSE BASICS

Prerequisites: a C or better in College Algebra, MAC 1105 or appropriate current score on the ALEKS placement test (for students with no prior college coursework only)

Course Description: A one semester introduction to the basic notions of calculus. Specific topics include: Differential Calculus using polynomial, exponential and logarithmic functions, and its application to optimization; integral calculus with area and probability applications.

Book Sections: 1.5-1.6, 2.1-2.5, 3.1-3.5, 4.3-4.4, 5.1-5.3

MATERIALS NEEDED

Textbook: Calculus for Business, Economics, and the Social and Life Sciences, brief 11th edition, packaged with Connect Math access code or Connect Math Access Code alone (Connect Math program contains an electronic textbook version). ISBN for textbook: 978-0-07-769741-9

Access code to Connect Math (<https://www.connectmath.com/>):

WGPHX-TCT3D

You can purchase an access code at FIU bookstore together with the textbook or as standalone item. Or you can purchase it online directly from McGrawHill while attempting to use the Connect site (valid credit card required) - this is the cheapest option. **Please be advised that you MUST purchase a code with a specific ISBN or it will not work for the course.** *Note: McGrawHill can only support access cards purchased from the bookstore and directly through the publisher. Any issues that arise from materials purchased from a third-party vendor (Amazon, Chegg, eBay, etc) must be handled by that particular company. Access cards purchased through third-party vendors will not be replaced by McGrawHill. This policy includes standalone access cards and access cards included within a packaged bundle.*

If you are not able to purchase an access code immediately, you can use a **temporary access code**. The temporary access code is **806EA-BCC09-80B0F-C6076**. A temporary access code is valid for ONLY 14 calendar days and it allows you to get started with your assignments on the first day of classes. You can extend your Connect Math account at any time by selecting "Extend access" from the class tile menu and enter your new access code. You do NOT need to create a new Connect Math account to continue your class.

Dedicated notebook (recommended): Use it for your class notes and homework assignments. It will be very helpful when reviewing for the tests.

KEYS TO SUCCESS

To be successful in this course you need to:

- To review algebra, I set up a class on www.aleks.com Use the class code: **CGWLW-R3HHR** and you will get free access to algebra review for six weeks.
- **Complete all assignments on time.** Aim for 100% on each of the assignments. Every point at the end of the semester counts!
- **Write out complete solutions in all assignments**, as if you were taking a test. Get into a habit of showing complete work, which is required on all tests. Math is learned by **doing** problems. Watching videos and reading the textbook, while important in the learning process, will not allow you to see which parts are challenging **for you**. If your answer is not correct, review your class notes and start over.
- **Be an active participant in the classroom** – If you don't understand something, ask questions. Take full advantage of the in-class time.
- **Be consistent with your work and study time** – math takes practice and time to process. Make it a habit (early in the semester) to set time to work *regularly* on the course assignments and material. Work with a friend. Form a study group. An hour every day is better than cramming for 4 hours at a time.
- **Get help early and often:** If you are having difficulties or need support, reach out to the instructor and your classmates. Use e-mail or stop by office hours. Go to campus tutoring sessions. All students need help at some point, do not be shy about getting the help you need. **We want you to succeed!**
- **Take advantage of campus resources:** Visit the University Learning Center (GL 120 in MMC/ AC1 160 in BBC) or the AAA Tutorial Program for free tutoring (GC 267 in MMC/ WUC 253 in BBC). Look at sample tests or reviews in the Math Department website: <https://mathstat.fiu.edu/useful-information/math-resources/business-calculus-without-graphing-calculators/>

COURSE DETAILS

Online Algebra Review (2% of the grade): The grade you earn on www.aleks.com from algebra review.

In-class quizzes/class participation (5% of the grade): There might be up to two polls/quizzes in Friday's class. The online poll site we will use is: <https://clicker.zjevik.com/> Please make an account with your FIU email and use the code **6YWL8U** to enroll in the class.

Online Homework (10% of the grade): Your online course assignments are available at <https://www.connectmath.com/> .

Online Quizzes (3% of the grade): You can take each quiz up to 2 times and only the highest score will be recorded. Each quiz is time limited. At the end of the semester, the quiz with the lowest grade will be dropped.

Exams (80% of the grade): There will be four tests (worth 13% each) and a comprehensive final exam (worth 28%).

Note: **Deadlines will not be extended** under any circumstances. All online assignments are due at midnight on the due day. Do not wait till the last moment to complete the assignments since you don't know what problems, technical or not, you might encounter along the way.

COURSE POLICIES

Grading policy:

Your grade will depend on your performance on tests and the online and offline homework and quizzes. Keep in mind that 80% of your grade is determined by your performance on tests

| Course Requirements | Weight |
|-----------------------|--------|
| Online Algebra Review | 2% |

| | |
|-----------------------------|-------------|
| Class participation | 5% |
| Online Homework Assignments | 10% |
| Online Quizzes | 3% |
| Tests | 52% |
| Final Exam | 28% |
| Total | 100% |
| | |

- To get a full credit for a problem on a test you **must show your work. An answer alone, even correct, will get no credit.**
- The lowest scores on quizzes and homework assignments will be dropped at the end of the semester.

Your final grade will be assigned according to the following scale. All grades will be available in Connect Math, so you can monitor your progress.

| Letter | Range (%) | Letter | Range (%) | Letter | Range (%) |
|--------|-----------|--------|-----------|--------|-----------|
| A | Above 93 | B- | 79 - 82 | | |
| A- | 89 - 92 | C+ | 75 - 78 | D | 59 - 68 |
| B+ | 86 - 88 | C | 69 - 74 | F | 0 - 58 |
| B | 83 - 85 | | | | |

Make-up Policy: There will be no make-up tests. If you miss a test due to illness or other emergency and provide supporting documentation, your final exam will count in place of the missed test. In this case, the option of replacing the lowest test score **will not be applied**. There **are no make-ups for online and offline assignments**.

Class Attendance Policy: You are expected to attend all classes. It is your responsibility to complete all assignments on time regardless of whether or not you were present in the class.

Calculator Policy: Use of graphing calculators is prohibited in this course. A scientific calculator will be used occasionally but **not on the tests**.

Early Alert: In an effort to help you succeed in your academic courses, FIU utilizes an Early Alert system. Instructors are now able to notify students' academic advisors if there are concerns about class performance. If an alert is submitted, your academic advisor will send you a message via your Student Dashboard (accessed via your MYFIU page) to discuss ways to improve your performance. Please respond to any communication you receive from your academic advisor about an early alert. Our goal with this program is to help you succeed by identifying any issues as early as possible and working to address them.

Incomplete Grade Policy: The incomplete grade is given to a student who has substantially and successfully completed most of the course work but is unable to finish an exam or other work because of circumstances beyond the student's control. An IN grade cannot be given if it is necessary for the student to repeat the course. An incomplete grade must be made up within two semesters. There is no extension of the two semester deadline. The student must not register again for the course to make up the incomplete. Every incomplete grade must be approved by the Mathematics Department.

Drop Date: The last day to drop a course with a DR grade is **Monday, March 18th, 2019**.

Academic Misconduct: Includes (but is not limited to) giving or receiving assistance on a test, quiz, or homework assignment for which such assistance is not permitted, falsifying a document to obtain an excuse from a test, and using unauthorized notes on a test or quiz. A more complete definition of Academic

Misconduct is given in the Student Handbook. Penalties for Academic Misconduct range from an F in the course to expulsion from the University.

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 class period. Eating, sleeping, checking e-mail, using a phone or laptop, reading a newspaper, preparing for another class, packing up early is disruptive to others around you and to the instructor. All classroom participation must be relevant to the topic at hand. Electronic devices such as cell phones, iPods, tablets and computers must be turned off and put away during class. Student conduct which disrupts the learning process shall not be tolerated and may lead to disciplinary action and/or removal from class.

REQUIREMENTS FOR COLLEGE OF BUSINESS STUDENTS

For all FIU students initially starting a program within the College of Business since the Fall 2016 term, the GPA earned for the seven lower-division Common Prerequisite Course (or equivalent) credit hours must be 2.5 or higher. Additionally, students must earn a “C” or higher in each of the seven lower-division Common Prerequisite Courses (or equivalents). Further, each of these courses cannot be attempted more than twice. Drops after the add/drop period, which result in a DR grade, are considered an attempt in the course and count as an unsuccessful enrollment.

Common Prerequisite Courses include:

1. ACG 2021, Accounting for Decisions
2. ACG 3301, Accounting for Planning and Control
3. CGS 2100, Microcomputer Applications for Business
4. ECO 2013, Principles of Macroeconomics
5. ECO 2023, Principles of Microeconomics
6. MAC 2233, Calculus for Business
7. STA 2023, Statistics for Business and Economics

College of Business students starting a program since the Fall 2016 term, (a) failing to complete the seven Common Prerequisite Courses (or equivalents) with a 2.5 or higher, or (b) failing to pass any of the seven Common Prerequisite Course (or equivalents) in two attempts, can no longer continue to pursue any major within the College of Business.

Effective Fall 2017 and going forward, each student within the College of Business gets two drops after the add/drop period, which result in “DR” grades, in their first 60 credits attempted as a College of Business student. Each College of Business student gets two additional drops after the add/drop period, which result in “DR” grades, in the second 60 credits attempted. Unused drops after the add/drop period, which result in “DR” grades, do not carry over from the first 60 credits attempted to the second 60 credits attempted. Students entering the College of Business as transfer students with an A.A. degree from a Florida public college or with 60 or more transfer credits earned from another college or university only get two drops after the add/drop period, which result in “DR” grades. Students with disabilities who need to drop a course due to disability-related reasons are allowed to petition for additional drops after the add/drop

period, which result in “DR” grades. Students who can document extenuating circumstances may petition the College for additional drops. Approval to drop additional courses in excess of those allowed must be obtained from the College of Business.