

MONTGOMERY COLLEGE - ROCKVILLE
Department of Mathematics
Spring, 2012

MA 160 **Elementary Applied Calculus I**
CRN 32677, TR 9 am – 10:50 am, Room 003 Science West

Instructor: Joyce Riseberg **Office:** 120 Science West
Telephone: 240-567-5132
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website: www.montgomerycollege.edu/~jriseber
Office Hour: Tuesday and Thursday 8:30 am – 8:55 am

Course Description: A general calculus course primarily for business students. Topics include algebraic, exponential, and logarithmic functions and their graphs, an intuitive approach to limits, differentiation, integration, and functions of several variables. Major emphasis is on applications in business, economics, and the life sciences. The course is not open for credit to students who have a grade of C or better in MA 181 or equivalent.

Prerequisite: A grade of C or better in MA 099 (formerly called MA 103), appropriate score on mathematics assessment test, or consent of department. Assessment levels: EN 101/101A, RD 120. Four hours each week.

POLICIES AND GENERAL INFORMATION

- 1. Course Website:** Important course information, including assignments, worksheets, review sheets, quiz/test announcements, and mathematics links, will be posted on a course website. To access this website,
 - Go to **www.montgomerycollege.edu/~jriseber/160home.htm**
 - Go to MyMC, select this course in My Courses and then go to Links under Course Tools.
- 2. Textbook and WebAssign:** We will be using the textbook *Brief Applied Calculus, 2012*, Stewart and Clegg, Brooks/Cole Cengage Learning along with WebAssign, an online HW and tutorial system. WebAssign is **required** for submitting homework for this class and will count for 8% of your final average.

Here are some options for purchasing the required Stewart text and WebAssign.

- Link to purchase WebAssign/Ebook for \$65
<http://www.cengagebrain.com/shop/isbn/978-0-538-73810-1>
- Link to purchase Printed text/WebAssign/Ebook for \$128 - \$20 off **use coupon code SPRING2012** = \$108
<http://www.cengagebrain.com/shop/isbn/9781111698614>
- MC Bookstore sells the Printed text/WebAssign/Ebook for \$147.50 new and 110.75 used

When you purchase WebAssign, you will receive an access code. You will also need the following **Course Key**.

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Go to www.webassign.net to get started. You can obtain the **WebAssign enrollment guide** from the course website. **Please see me if you are unable to obtain a WebAssign access code during the first week of class or if for any other reason you need assistance in getting started on WebAssign.** The publisher allows students to have access to WebAssign for a 14 day trial period (starting 1/24/2012) but students **must** have an access code after that.

Problems on WebAssign will correspond to problems in the textbook but will usually not be exactly the same. You will need a notebook in which to write down your homework problems, and should write the section and problem numbers, the entire problem, and the solution. If you need additional help with HW problems, please ask about the problem in class or see me in my office. **You will not be able to pass this course unless you do your homework regularly.** Stay up-to-date, complete all assignments, and **promptly seek help when needed.**

3. Course Outline: The Course Outline below is a tentative list of sections and dates; sections may be added or deleted as time permits.

Course Outline	Approximate Dates
Sections 1.1, 1.3 – 1.6, 2.1 – 2.4; Test #1	January 24 – February 21
Sections 3.1 – 3.6, 4.2, 4.3, 4.5; Test #2	February 23 – March 29
Sections 4.6, 4.7, 5.1 – 5.3, 6.1, 6.2; Test #3	April 3 – April 26
Sections 7.1, 7.2; Review	May 1 – May 3
Final Examination	Thursday, May 10, 8 – 10 a.m.

4. Course Outcomes: A list of course outcomes stating what is expected of students upon completion of this course is available via the course website.

5. Attendance, Lateness and Classroom Conduct: You are expected to attend every class, to arrive on time, and to stay for the entire class period. Attendance will be taken at the beginning of class each day and you will receive one attendance point if you are present at that time and for the entire class period. **Your attendance record will count for 2% of your final grade.**

If you must miss a class, go to the MA 160 website to learn what happened during the class. **Obtain handouts and do all assignments. You are expected to bring handouts to class and to be ready for quizzes and tests even if you are absent.**

Students who miss more than one week's worth of classes may be dropped. **If for any reason you must be absent for an extended period of time, contact me to discuss the situation or you may be dropped from the course.**

Every student is expected to behave in ways that promote an atmosphere conducive to learning. This includes respect for other students and the instructor. Please observe common courtesies. **Turn off cell phones, beepers, ipods, and other electronic devices, sharpen pencils before class, and do not get up to leave the room except in an emergency.**

6. Calculator Policy: A graphing calculator is **required** for this course; TI-84/84+ preferred; TI 83/83+ acceptable. Students will usually be permitted to use calculators on quizzes and tests. **The sharing of calculators during quizzes or tests will not be permitted.**

7. Tests//Quizzes/Final Exam: There will be three unit tests which will be announced one week in advance. (See Course Outline for approximate dates.) Quizzes are given in between tests. They will usually be announced a class or two in advance. Your quiz average will count as the equivalent of one unit test. (The lowest quiz grade is dropped.) The final exam will cover the entire course and must be taken by everyone.

8. Academic Honesty: All students are expected to do their own work on quizzes and tests. Students are expected to observe the following rules during any test or quiz.

- Students may not use or even hold a cell phone, ipod, or any other electronic device (other than a calculator). **Any student who is found to have such a device turned on during a test or quiz will receive a grade of zero on that test or quiz.**
- Students may not speak to or share materials with other students.
- Students should have all materials (pencils, calculators, etc.) ready at the beginning of the quiz or test.
- Students should remain in the room during the entire test or quiz.

Appropriate penalties will be imposed for breaches of academic honesty.

9. Grading Policy: At the end of the semester, your final average will be computed as follows:

WebAssign homework 8%, attendance average 2%, test/quiz average 65%, final exam 25%.

Your final average will be converted to a letter grade as follows:

90 - 100...A, 80 - 89...B, 70 - 79...C, 60 - 69...D, below 60...F

10. Makeups: If you know in advance that you have to miss a quiz or test, you can make arrangements with me to take the quiz or test **before** it is given in class. Otherwise, no makeup quizzes will be given. If you miss an hour test, it may be made up only if you

- Do not have more than one unexcused absence during the time period covered on the test.
- Contact me on or before the scheduled test date.
- Can prove that you have a legitimate excuse.
- Have completed the WebAssign homework on the relevant material.

If you do not meet these conditions, you will not be permitted to take a makeup test and the percentage equivalent of your final exam grade will be substituted for the grade of the missed test. No student will be permitted to take more than one makeup test.

11. Student e-mail: MC student e-mail is an official means of communication for Montgomery College. Students are responsible for information and announcements sent via MC e-mail, and it is expected that students check their student e-mail regularly. When e-mailing an instructor, it is expected that students use their MC student e-mail account.

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12. Math/Science Center: You can get extra help in mathematics in the Math/Science Center (MSC), Room 02 Macklin Tower, 240-567-5200, www.montgomerycollege.edu/Departments/mathscriv. This semester, the MSC hours are: **Mon – Thurs: 8 am - 8 pm, Fri: 8 am - 4 pm, Sat: 10 am - 3 pm**

13. Important Dates

Monday, January 30	Last day for refund
Monday, February 13	Last day to drop with no grade or change from Audit/Credit
March 12 - 18	Spring break; no classes
Friday, April 16	Last day to drop with W
Thursday, May 3	Our last regular class meeting
Thursday, May 10	Final Exam, 8 a.m. – 10 a.m.

14. Accommodation for Students with Disabilities: Disability Support Services (240-567-5058) Any student who may need an accommodation due to a disability, please make an appointment to see me during my office hour. In order to receive accommodations, a letter from Disability Support Services (CB122) will be needed. Any student who may need assistance in the event of an emergency evacuation must identify to the Disability Support Services Office; guidelines for emergency evacuations for individuals with disabilities are found at: www.montgomerycollege.edu/dss/evacprocedures.htm.

15. Academic Regulations & Student Code of Conduct

All MC students are expected to follow “Academic Regulations” & “Student Code of Conduct” as described in the MC Student Handbook. These regulations and guidelines can be found at: www.montgomerycollege.edu/departments/academicvp/Student_PandP.htm

16. Combat to College Program: If you are a veteran or on active or reserve status and you are interested in information regarding opportunities, programs and/or services, please visit the Combat2College website at www.montgomerycollege.edu/combat2college and/or contact Joanna Starling at 240-567-7103 or Joanna.starling@montgomerycollege.edu.

17. Cancellation of classes: If bad weather or any other circumstance forces the College or any campus to suspend classes or close, announcements will be provided to radio and television stations as early as possible. You may also call MC at 240-567-5000 or check the college website www.montgomerycollege.edu to verify MC school closings. Any exams planned on days classes are suspended will be administered at the first class meeting once classes resume. Note that the Montgomery County Public Schools (MCPS) and Montgomery College do **not** follow the same school closing procedures.

You can also get weather updates or other important information by registering for Montgomery College ALERT. To do this, visit the College's web site for directions and details at <http://www.montgomerycollege.edu/emergency/mcalert.html> or the county's "Alert Montgomery" system at <http://alert.montgomerycountymd.gov>.