

MONTGOMERY COLLEGE - ROCKVILLE
Department of Mathematics
Spring, 2010

MA 181

Calculus I

CRN 32812, MWF 11:30 am – 12:55 pm, Room 212 Science East

Instructor: Joyce Riseberg

Office: 30 Science West

Telephone: 240-567-5215---Leave a message with your phone number if I'm not there.

e-mail: joyce.riseberg@montgomerycollege.edu

Department FAX number: 240-567-5182

website: www.montgomerycollege.edu/~jriseber

Office Hours: Tuesday and Thursday 1 – 1:50 pm, Friday 10 – 10:50 am; other hours **readily** available by appointment; **please ask.**

My Math/Science Center Tutoring Hours: MW 10 – 10:50 am

MA 181 Course Description: Intended primarily for students of the physical sciences, engineering, and mathematics. An introduction to major ideas of single variable calculus including limits, derivatives, and integrals of algebraic and transcendental functions; applications.

Prerequisite: A grade of C or better in MA 180, appropriate score on mathematics assessment test, or consent of department. Assessment levels: EN 101/101A, RD 120. For computation of tuition, this course is equivalent to five semester hours. Five hours each week.

POLICIES AND GENERAL INFORMATION

1. Textbook and Course Outline: *Calculus: Concepts and Contexts, Single Variable, 4th ed.*, 2010, by Stewart; Cengage, Brooks/Cole.

Course Outline*	Approximate Dates*
1.1, 1.2, 2.1 – 2.5, Test #1	January 25 – February 15
2.6 – 2.8, 3.1 – 3.6; Test #2	February 17 – March 12
Spring Break	March 15 - 21
3.7 – 3.9, 4.2 – 4.4, 4.6; Test #3	March 22 – April 12
4.7, 4.8, 5.1 – 5.4; Test #4	April 14 – May 3
4.1; Review	May 5 - 7
Final Examination	Wednesday, May 12, 10:15 am – 12:15 pm

This is a tentative list of sections and dates; sections may be added or deleted as time permits.

2. Course Website: Important course information, including assignments, worksheets, review sheets, quiz/test announcements, quiz/test solution sheets, and mathematics links, will be posted on a course website. To access this website,

- Go to my homepage **www.montgomerycollege.edu/~jriseber** and click the link for MA 181, or
- Go to MyMC, select this course in My Courses and then go to Links under Course Tools.

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

4. 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 4% of your final grade.

If you must miss a class, it is your responsibility to go to the MA 181 website to learn what happened during the class. **You should 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 for the instructor. Please observe common courtesies. **Turn off cell phones, beepers, ipods, and other electronic devices, sharpen your pencils before class, and once in class, please do not get up to leave the room except in an emergency.**

5. Homework: Homework is required for this course. You may do some of it on **Enhanced Web Assign (EWA)** and some from your textbook, or you may do all of the assigned HW problems from your textbook. EWA is an online HW and tutorial system. If you use it and submit HW online, your EWA homework score will count for 8% of your final average if it helps you. In addition, there are numerous assigned problems in the textbook that are not available through EWA. These problems are listed in **bold** on the assignment sheet and are also required. If you choose not to use EWA, then all of the assigned problems should be completed by using the textbook.

The publishers of our textbook are providing a free trial course this semester, so there will be no fee for using EWA. To get started,

- Go to webassign.net
- In the "Log In" box on the right, click "Have a class key?"
- For class key, enter montgomerycollege in the first box, 3617 in the second box, and 9492 in the third box.
- You should see that the class is MA 181 Spring 2010 --- Section 32812
Instructor: Joyce Riseberg
Montgomery College
- Click "submit" and then follow the prompts to create a webassign account.

Problems on EWA will correspond to problems in the textbook but they will not be exactly the same. You will need a binder or notebook in which to write down your homework problems, and you should write the section and problem numbers, the entire problem, and the solution. Difficulties with HW problems, including those that are not in EWA, will be discussed in class. You should also keep in mind that you can see me at my office for extra help. **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.**

6. Calculator Policy: A graphing calculator is **required** for this course; TI-84/84+ preferred; TI 83/83+ acceptable. Students are not permitted to use a TI-89, TI-92, or other calculators containing

computer algebra systems. You will usually be permitted to use calculators on quizzes and tests, but **sharing calculators during quizzes or tests will not be permitted.**

7. Tests/Quizzes/Final Exam: There will be four 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 based on one of the following grading plans:

- **Students who submit homework on EWA**
EWA homework 8%, attendance average 4%, test/quiz average 65%, final exam 23%.
- **Students who do not submit homework on EWA**
Attendance average 4%, test/quiz average: 73%, final exam: 23%.

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.
- Either have completed the EWA homework on the relevant material or show me all 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. Math/Science Center: You can get extra help in mathematics in the Math/Science Center (MSC), Room 02 Macklin Tower, 240-567-5200,

<http://www.montgomerycollege.edu/Departments/mathscrv/>

MSC hours are: **Mon – Thurs: 8 am - 8 pm, Fri: 8 am - 4 pm, Sat: 10 am - 3 pm**

My tutoring hours are MW, 10 – 10:50 am.

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12. Important Dates

January 31	Last day for refund
February 14	Last day to add, drop without W or change from Audit/Credit
March 15 - 21	No classes; spring recess for faculty and students
April 18	Last day to drop with W
May 7	Our last regular class meeting
May 10 – 16	Spring Final Exams

13. 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

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. A letter from Disability Support Services (CB 122) authorizing your accommodations 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. 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.

16. 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.

17. Inclement Weather: If inclement weather or any other circumstance forces the College or any campus or College facility to suspend classes or close, public service announcements will be provided to local 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>.