

**MONTGOMERY COLLEGE**  
**Rockville Campus**  
**Department of Mathematics**  
**Spring, 2006**

**MA 181 CRN 30255**  
**MTWRF, 10 - 10:50 a.m.**

**Calculus I**  
**Room 212 Science East**

**Instructor:** Joyce Riseberg

**Office:** 213 F Science East

**Telephone:** 301-279-5215---Leave a message with your phone number if I'm not there.

**Department FAX number:** 301-279-5182

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**Office Hours:** Tuesday, Thursday, Friday 9 - 9:50 a.m., other hours **readily** available by appointment; please ask.

**My Math/Science Center Tutoring Hours:** MW 9 - 9:50 a.m.

MA 181 is intended primarily for students of the physical sciences, engineering, and mathematics and is 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 110.

**POLICIES:**

1. **USING THE WEB:** This semester, I plan to post course information, including assignments, worksheets, review sheets, quiz/test announcements, and mathematics links, on a course website. You can access this website by first going to my homepage. To do this, either go to [www.montgomerycollege.edu/~jriseber/](http://www.montgomerycollege.edu/~jriseber/), or go to the College's home page at [www.montgomerycollege.edu](http://www.montgomerycollege.edu), and then go to *Finding People or Offices*, (under "Do you need help with...?"), *People* and enter my last name. From my homepage, click the link for MA 181.

**The first time you go to my MA 181 homepage, click the link to log in.** This will take you to a form which you should submit to show that you have been to my MA 181 homepage. When you submit it, you will be told that you have successfully logged in and can then click the link to return to my MA 181 homepage. You should add this site to your list of bookmarks or favorites, and check the site periodically, especially if you are late or absent.

2. **ATTENDANCE/LATENESS:** To succeed in this class, it is essential that you come to class regularly and arrive on time. If you have to miss a class, it is your responsibility to go to the MA 181 homepage to learn what happened during class. **You should log in and then obtain handouts and do all assignments. You are expected to be prepared for quizzes and tests even if you are absent.**

Students who miss more than one week's worth of classes may be dropped, especially if they have not logged in at the course website. Please note also that if you are late twice, it will count as the

equivalent of one absence. **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.**

3. **CONDUCT:** Every student is expected to behave in ways that promote an atmosphere conducive to teaching and learning. This includes respect for others, both students and the instructor. Please observe some common courtesies. **Turn off beepers and cell phones, sharpen your pencils before class, and once in class, please do not get up to leave the room except in an emergency.**

4. **ACADEMIC INTEGRITY:** The maintenance of highest standards of intellectual honesty is the concern of every student and faculty member at Montgomery College. Students are expected to do their own work on quizzes and tests; appropriate sanctions will be imposed for breaches of academic honesty.

5. **GROUP WORK:** Periodically, you will be working with other members of the class in groups. You are expected to participate actively in any group activities.

6. **HOMEWORK: DO IT!** Homework is assigned daily and should be done by the next class. **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.** Keep an organized notebook for homework and notes. Work with a classmate or two. For extra help from me, please see me in my office.

7. **MATH/SCIENCE CENTER:** Another place where you can get extra help in mathematics is in the Math/Science Center. The Math/Science Center hours are:

**Mon: 9am - 7 pm, Tues - Thurs: 8 am - 8 pm, Fri: 8 am - 4 pm, Sat: 10 am - 3 pm**

In the Math/Science Center, you can get assistance from individual tutors or by using course-related materials. As stated above, this semester, my tutoring hours will be MW 9 - 9:50 a.m.

The normal location of the Math/Science Center is Room 02 Macklin Tower, but due to renovations at the beginning of this semester, tutoring will be temporarily located in Humanities 106 and 108, and computer access will be available in Computer Science 21A.

8. **TESTS/QUIZZES/FINAL EXAM:** There will be four unit tests for MA 181. You will be told of these tests one week in advance. (See below for approximate dates.) Each test will be worth 100 points. Quizzes will be 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. It will be worth 200 points.

9. **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

1. Contact me on or before the scheduled test date.
2. Can prove that you have a legitimate excuse.

3. 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 one half 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.**

10. **TEXT AND COURSE OUTLINE:** James Stewart, Calculus, Concepts and Contexts, 3rd Edition, Brooks/Cole Publishing Company, 2005. A student solutions manual, containing solutions for all odd-numbered exercises, is optional.

Course Outline *	Approximate Dates
1.1, 1.2, 2.1 - 2.4; Test 1	January 23 – February 9
2.5 - 2.9, 3.1; Test 2	February 10 – February 28
3.2 - 3.8; Test 3	March 1 – March 31
4.1 - 4.9; Test 4	April 3 – April 24
5.1 - 5.4, Review	April 25 – May 5
Final Examination	Tuesday, May 9, 10:15 a.m. - 12:15 p.m.

\* This is a tentative list of sections to be covered; sections may be added or deleted as time permits.

11. **CALCULATORS:** A graphing calculator is **required** for this course - TI-84 or 83+ preferred. Students will usually (but not always) be permitted to use calculators on quizzes and tests. **Students will not be permitted to use a TI-89 or TI-92. The sharing of calculators during quizzes or tests will not be permitted.** For extra help on learning to use your calculator, you can attend one of the following calculator workshops in Room 106 HU:

**Fri., Jan. 27, 3 p.m.; Tues. Jan. 31, 3 p.m.; Mon. Feb. 6, 4 p.m.; Tues. Feb. 14, 3 p.m.**

12. **SPECIAL NEEDS:** A student who may need an accommodation due to a disability should make an appointment to see me. A letter from Disability Support Services, located in Room 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](http://www.montgomerycollege.edu/dss/evacprocedures.htm).

### 13. IMPORTANT DATES

January 29	Drop with refund deadline
February 12	Last day to drop a course without a grade
March 20 – 26	Spring recess; no classes
April 16	Last day to drop a course with a grade of W
May 5	Last regular class meeting
May 8 – May 14	Final Exams

14. **GRADING:** At the end of the semester, your test grades, quiz average and final exam score are added up and averaged. 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

Attendance and class participation will also be used to help determine the final grade, especially for students with borderline averages.

15. **WEATHER:** In case of bad weather, call the College's main number (301-279-5000) and listen to the recorded message, check MC's web page at [www.montgomerycollege.edu](http://www.montgomerycollege.edu), or tune in to your radio or TV for information on emergency closing or delayed opening. If classes are canceled the day a test or quiz is scheduled, be prepared to take the exam as soon as our class meets once the College has reopened.