

**MONTGOMERY COLLEGE**  
**Rockville Campus**  
**Department of Mathematics**  
**Fall, 2004**

**MA 180 CRN 21100**  
**MWF 11 am – 12:25 pm**

**Precalculus**  
**Room 224 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

**e-mail:** joyce.riseberg@montgomerycollege.edu

**Office Hours:** Tuesday and Thursday, 9 - 9:50 a.m., Wednesday 10 - 10:50 a.m.; other hours readily available by appointment; **please ask.**

MA 180 is designed to prepare students for MA 181. The course includes topics from advanced algebra, trigonometry, conics, and functions, as well as applied problems.

**PREREQUISITE:** A grade of C or better in MA 100 and MA 102, appropriate score on the mathematics assessment test, or consent of department.

Assessment levels: EN 101/101A, RD 120.

**POLICIES:**

1. **ATTENDANCE/LATENESS/ CLASSROOM COURTESY:** You are expected to come to class every day and to arrive on time. Arriving late is detrimental to you and is disruptive to the entire class. If you do have to miss a class, please make sure you find out what happened during the class, as you are responsible for any assignments given. If you miss more than one week's worth of classes, I may drop you from the course. Please note also that if you are late twice, it will count as the equivalent of one absence. Therefore, if for any reason you must be absent for an extended period of time, it is important that you contact me to discuss the situation.

In order for us to have an atmosphere in the classroom which is conducive to learning, 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.**

2. **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.

3. **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.** While doing your homework, make notes about anything that you are having trouble understanding. Be ready to ask questions about homework (or anything else) at the beginning of class, but do not ask questions on problems you haven't tried. Work with a classmate or two. For extra help from me, please see me in my office.

4. **MATH/SCIENCE CENTER:** Another place where you can get extra help in mathematics is in the Math/Science Center, which is located in Room 02 Macklin Tower. This semester, 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

5. **TESTS/QUIZZES/FINAL EXAM:** There will be four unit tests for MA 180. You will be told of these one week in advance. (See below for approximate dates.) Each test will be worth 100 points.

Quizzes (both in class and take home) will be given in between tests. In class quizzes 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.

6. **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 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.**

7. **TEXT AND COURSE OUTLINE:** Sullivan and Sullivan, *Precalculus Enhanced with Graphing Utilities*, Third Edition, Prentice-Hall, Inc., copyright 2003

A student solutions manual, containing solutions for all odd-numbered exercises, is optional.

Course Outline*	Approximate Dates
1.1 – 1.5, 2.1 – 2.5, 2.7; Test 1	August 31 - September 24
3.1 – 3.3, A.5, 3.4 – 3.6, 3.8; Test 2	September 27 - October 13
4.1 – 4.5, 4.7, 5.1 – 5.4; Test 3	October 15 - November 5
5.5, 5.6, 6.1 – 6.5, 6.7, 6.8, 7.1 – 7.3; Test 4	November 8 – December 6
9.7, Review	December 8 - December 13
Final Examination	Tuesday, December 21, 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.

8. **ACADEMIC INTEGRITY:** The maintenance of highest standards of intellectual honesty is the concern of every student and faculty member at Montgomery College. The College is committed to imposing appropriate sanctions for breaches of academic honesty.

9. **CALCULATORS:** A graphing calculator is **required** for this course. TI 83 plus is

preferred; TI 83 and 86 are acceptable. Students will usually 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.**

10. **SPECIAL NEEDS:** Any student who may need an accommodation due to a disability, please make an appointment to see me during my office hour. A letter from Disability Support Services (CB122) 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/tbl-cnt.htm](http://www.montgomerycollege.edu/dss/tbl-cnt.htm).

11. **IMPORTANT DATES**

Friday, September 3	Drop with refund deadline
Monday, September 6	Labor Day holiday; College closed
Friday, September 17	Last day to drop a course without a grade
Tuesday, September 21	No classes; Fall Opening Meeting
Friday, November 12	Last day to drop a course with a grade of W
Wednesday, November 24	No classes
Thursday, November 25 - Sunday, November 28	Thanksgiving holiday; College closed
Monday, December 13	Last regular class meeting
Tuesday, December 14	No classes; reading day
Wednesday, December 15 - Tuesday, December 21	Final Exams

12. **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 at [http://www.montgomerycollege.edu/faculty/~jriseber/public\\_html/180home.htm](http://www.montgomerycollege.edu/faculty/~jriseber/public_html/180home.htm) Be sure to check the site periodically, especially if you are late or absent. You may find it convenient to add the site to your list of bookmarks or favorites.

You can also get to the website by going to [www.montgomerycollege.edu](http://www.montgomerycollege.edu) , and then going to *Directories, People* and entering my last name. This will take you to my home page. Once there, click the link for the website for MA 180.

13. **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.

14. **WEATHER:** In case of inclement weather, please tune in to your radio or TV for emergency closings or delayed opening information. You can also check [www.montgomerycollege.edu](http://www.montgomerycollege.edu) or our web site, as I will try to post announcements of a closing or delayed opening when I learn about it.