MONTGOMERY COLLEGE
DEPARTMENT OF MATHEMATICS
ROCKVILLE CAMPUS
Calculus II MA182; CRN 31212
Spring 2018

Professor: Dr. Fred Katiraie (**fred.katiraie@montgomerycollege.edu**   **Office:** Science Center Room 354P
Classroom: Science Center West Room 203   **Phone:** (240) 567-8060
Class Hours: Tuesday and Thursday 6:30 PM to 8:45 PM
Office Hours: Tuesdays 6:00 to 6:30 PM,
  Thursdays 1:30 to 2:00 PM, and please see the following:

Optional Review Sessions for Calculus II Students: Wednesdays 4:30—6:30 PM in Ackerman Learning Center
  (formerly Math Science Center) Room 103
Optional Review Sessions for Calculus I Students: Wednesdays 2:00—4:00 PM in Ackerman Learning Center
  (formerly Math Science Center) Room 103
Optional Review Sessions for Math 115A Students: Thursdays 5:00—6:00 PM in Ackerman Learning Center
  (formerly Math Science Center) Room 103

Website: http://web4students.montgomerycollege.edu/facultyFTPSites/fkatira1/

Math Club Tutoring Hours in Science Center Room 362: Fridays 3:00 to 5:00 PM.

Text: *Calculus Concepts and Contexts 4th Edition, by James Stewart. Brooks / Cole Thomson Learning, Pacific Grove, CA.*
ISBN 0-495-55972-5

The textbook purchased from the bookstore will include a **WebAssign** online access code **(REQUIRED).** You may purchase a package that includes the textbook and the WebAssign access code, or you may elect to purchase the WebAssign access code only. Your WebAssign access will include a *Calculus Concepts and Contexts 4th Edition* text e-book.

Required Computer Access: Most (if not all) of your homework is to be done on the computer with WebAssign. A package including both the printed physical textbook and the online access is available at the campus bookstore *Calculus Concepts and Contexts 4th* Edition text e-book.

If you would like to purchase your webassign access code only, then go
https://myhome.cengagebrain.com/cb/register.htm?method=loadRegistrationForm
Once you are logged in the WebAssign, then you can view the ebook.

IT IS UP TO YOU whether you purchase the physical textbook along with WebAssign and the e-book, or WebAssign along with the e-book but without the physical textbook.

Access to the online materials is available at http://webassign.net/
You will need the following **WebAssign class key** to enroll in this section of WebAssign online homework.

montgomerycollege	6885	7081

Follow the instructions in the Student Self-Enrollment Guide found at the end of this syllabus. (There is also an enrollment PowerPoint on my website .)

In addition to reading announcements and completing daily assignments through WebAssign, you are expected to check your email regularly and frequently, although I will use student email only for situations where timing is essential. Most information is discussed in class and all written work will be turned in either as hard copy during regular class times or through WebAssign.

Homework due dates are easily available on WebAssign. If you contact me through email, you must use your **student email account** (rather than a gmail or other personal account).

Course Description: MA 182, a continuation of MA 181, deals with the major ideas of single-variable calculus. The major goals of this course include mastery of basic techniques of integration, including approximations, the ability to construct definite integrals that model applications; facility in analyzing selected differential equations using graphical, numerical or analytical approaches; the ability to determine convergence or divergence of infinite series; the ability to use Taylor polynomials to approximate more complex functions; and facility with basic equations in polar coordinates.

Prerequisite: Grade of C or better in Math 181 (Calculus I).or appropriate score on the placement test.

Calculator: You will be allowed to use calculators, particularly with decimals, percents, and problem solving. This will enable you to concentrate on the process and not get bogged down in the calculations. I would suggest that you purchase a **graphing calculator.** You will be able to use the graphing calculators in your upcoming Mathematics courses. In general, calculators **TI-83**, **TI-83** Plus, or **TI-84** Plus are preferred; however, TI 85 or TI 86 are also acceptable. TI calculators may be borrowed from the math / science center on a daily basis. Calculators are permitted on the Competency Exam for most of the problems. **No one will be allowed to share a calculator during quizzes and exams.** **Please note that TI-89, TI-92 are not acceptable**

Attendance: You are expected to attend every class and attendance will be considered in your performance in the class. If you miss a class you are responsible for getting the notes and assignments in on time. *__I expect you to arrive to class on time.__*
__Please be aware that you may be dropped if you accumulate absences whose sum is equivalent to more that one week worth of classes. As a result a student may be dropped after the college official deadline date for "withdrawals with a W".__

Homework Binder: There are some bad work habits which may hinder one's performance in a course such as this one. As an example, sloppy handwriting often causes careless mistakes that lead to unnecessary confusion and lack of confidence in one's work. In order to ensure that your work for this course is organized, you will be required to have a 3-ring binder (or a folder of your choice) which contains separate sections for:
- Homework assignments
- Quizzes, tests and handouts (such as syllabus)
- Class notes (unless you prefer to keep these in a separate notebook).

The homework assignments should be written neatly and should include only the relevant calculations, not messy scratch work. You should also include the statement of each problem. (For word problems, you can briefly summarize the statement using symbols, if necessary) Keep the various components of the binder file in separate sections (Do not mix your quizzes in with your homework) I will periodically look at your binder and may grade selected problems. (I especially will be interested in seeing your binder when you are not performing well on quizzes and tests.)

Grading Policy: There will be 8 quizzes, and the lowest 3 quizzes could be dropped. We will also have 4 exams.

Your final grade will be based on the following:

Homework	100
Quizzes	200
Exam I	100
Exam II	100
Exam III	100
Exam IV	100
Final Exam	300
Excellent Homework Completion in Webassign	Drops One Lowest Quiz
Attendance & Participation	Drops Another Lowest Quiz
Math Science Center / Review Sessions / Office Visits	Drops Another Lowest Quiz

Grading Scale
900 – 1000 = A
800 – 899.9 = B
700 – 799.9 = C
600 – 699.9 = D
599 and Below = F

Make-up Policy: There are NO MAKE UPS for quizzes and exams.
There will be no make-ups on homework assignments to be turned in.

Dropping: Check your specific drop deadlines online. Go to MyMC, Quick Links, Register for Classes, View Drop Deadline Dates. **Last date to drop most classes wit**h **a grade of W recorded is November 12th.**

Please be advised that on the day of exam/quiz: *I will not provide calculators/pencils.*
You will not be permitted to leave the room.
You may not use or even hold a cell phone.
You will not be allowed to share calculators

Final Exam: The final examination for our class will be on
Thursday May 10th 7:15 PM to 9:15 PM
Failure to take the final will result in an F for the course.

Ackerman Learning Center (formerly known as Math Science Center)
Math/Science Tutoring Lab: There is a tutoring lab in room 109 of Science Center West.

This service is **FREE** to Montgomery College students.
Please DO NOT WAIT TO THE LAST MINUTE!
Go to the lab on a regular basis – get to know the facilities and the tutors. The lab phone number is (301)279-5200.

http://cms.montgomerycollege.edu/edu/department2.aspx?id=27408

MSC **Fall hours of operation are:**

Monday - Thursday	8:00 a.m.	-	8:00 p.m.
Friday	8:00 a.m.	-	4:00 p.m.
Saturday	10:00 a.m.	-	3:00 p.m.
Sunday		Closed	

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 (R-CB122; G-SA175; or TP-ST120) 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/departments/dispsvc**

Standards of College Behavior: Montgomery College seeks to provide an environment where discussion and expression of all views relevant to the subject matter of the class are recognized and necessary to the educational process. However, students do not have the right to interfere with the faculty member's right to teach or the other students' rights to learn. Faculty and staff set the standards of behavior that are within the guidelines and spirit of the Student Code of Conduct or other College policies for classrooms, events, offices, and areas, by announcing or posting these standards early in the semester. For more information, please refer to Number 42001 in
http://cms.montgomerycollege.edu/pnp/#Chapter_4

Academic Honesty: Academic dishonesty in college is a very serious offense. Each student is expected to do his/her own work on all quizzes and tests and class and homework exercises. Students who engage in any act that the classroom instructor judges to be academic dishonesty or misconduct are subject to sanctions. For more information, please refer to Number 42001 in
http://cms.montgomerycollege.edu/pnp/#Chapter_4

Attendance Policy: Students are expected to attend all class sessions. In cases involving excessive absences from class, the instructor may drop the student from the class. An excessive absence is defined as one more absence than the number of classes per week during a fall or spring semester; the number of absences is pro-rated for accelerated sessions.

Withdrawal and Refund Dates: It is the student's responsibility to drop a course. Non-attendance of classes or failure to pay does not constitute official withdrawal. To view specific drop deadlines, log into your MyMC account:
Click on 'My Class Schedule' under Student Quick Links
Select the current term
Click on 'View Drop Deadline Dates' at the bottom of the page

Audit Policy: All students registered for audit are required to consult with the instructor before or during the first class session in which they are in audit status, and students are required to participate in all course activities unless otherwise agreed upon by the student and instructor at the time of consultation.

Accommodations for Students with Disabilities Statement: 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(R-CB122; G-SA175; or TP-ST120) 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 are at: www.montgomerycollege.edu/dss/evacprocedures.htm.

Veteran's Services: 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 Web site at **http://www.montgomerycollege.edu/combat2college/**
Delayed Opening or Closing of the College: On occasion, Montgomery College will announce a late opening or early closing of a specific campus or the entire college because of weather conditions or other emergencies.

- ❖ *If a class can meet for 50% or more of its regularly scheduled meeting time* **OR** *if the class can meet for 50 minutes or more,* ***it will meet***.
- ❖ Montgomery College will always operate on its regular schedule unless otherwise announced. Depending on the nature of the incident, notifications of emergencies and changes to the College's operational status will be communicated through one or more communication methods including the College's web page http://montgomerycollege.edu

For the most up-to-date information regarding College openings, closings, or emergencies, all students, faculty, and staff are encouraged to sign up for email and text alerts via Montgomery College ALERT. Registration information is available at *www.montgomerycollege.edu/emergency*

Communication: The Montgomery College e-mail account is the official means of communication. Check your email account routinely for course announcements, invoices, important admission/registration information, waitlist status etc.

Course Changes: The instructor reserves the right to alter the schedule of the course if necessary but will notify the students of any changes to the schedule before the changes are implemented.

Inclement Weather

If inclement weather 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.

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Tentative Schedule
Quiz Dates are marked asterisk (*)

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NO.	DATE	SEC.	HOMEWORK ASSIGNMENTS
1	January 23rd	5.3 5.5	Please complete your HW in WebAssign
2	**January 25th**	5.6 **Quiz 1**	Please complete your HW in WebAssign
3	January 30th	5.7 Appendix G	Please complete your HW in WebAssign
4*	**February 1st**	5.8 **Quiz 2** **Review**	Please complete your HW in WebAssign
5	February 6th	**Review for Test I**	**Review for Test I**
6*	**February 8th**	**Test I**	**Test I covers Sections 5.3 to 5.8, and Appendix G**
7	February 13th	5.9 4.5	Please complete your HW in WebAssign
8*	**February 15th**	5.10 **Quiz 3**	Please complete your HW in WebAssign
9	February 20th	6.1 6.2	Please complete your HW in WebAssign
10	February 22nd	Review for Test II	Review for Test II
11*	**February 27th**	**Test II**	Test II cover Sections 5.9, 4.5, 5.10, 6.1, 6.2, and 25 points from test I
12	March 1st	6.3 6.4	Please complete your HW in WebAssign
13	March 6th	6.5 7.1	Please complete your HW in WebAssign
14*	**March 8th**	7.2 **Quiz 4**	Please complete your HW in WebAssign
☺☺	March 12th to 17th	☺☺	Spring Break ☺☺☺☺☺☺☺☺☺
15*	**March 20th**	7.3 7.4 **Quiz 5**	Please complete your HW in WebAssign
16	March 22nd	Review for Test III	Review for Test III
17*	**March 27th**	**Test III**	Test III covers material from Sections 6.3, 6.4, 6.5, 7.1, 7.2, 7.3, 7.4, and 25 points from test II
18	March 29th	8.1 8.2	Please complete your HW in WebAssign

19	April 3rd	8.3	Please complete your HW in WebAssign
20 *	**April 5th**	8.4 **Quiz 6**	Please complete your HW in WebAssign
21	April 10th	8.5 8.6	Please complete your HW in WebAssign
22 *	**April 12th**	8.7 **Quiz 7**	Please complete your HW in WebAssign
23	April 17th	8.9	Please complete your HW in WebAssign
24 *	**April 19th**	Appendix H1 **Quiz 8**	Please complete your HW in WebAssign
25	April 24th	Appendix H2 Review for Test IV	Please complete your HW in WebAssign
26	**April 26th**	**Review for Test IV**	**Test IV covers material from Sections 8.1—8.9, Appendices H1, and H2, and 25 points from test III**
27	May 1st	Review for Final	Review for Final
28	May 3rd	Review for Final	Review for Final
29	**May 10th**	**Final Exam**	**Final Exam**

Final Exam:

The final examination for our class will be on
Thursday May 10th 7:15 PM to 9:15 PM
Failure to take the final will result in an F for the course

THE INSTRUCTOR RESERVES THE RIGHT TO AMEND THIS SYLLABUS AS APPROPRIATE THROUGHOUT THE SEMESTER. STUDENTS WILL BE NOTIFIED OF ANY SUCH CHANGES.