

**MONTGOMERY COLLEGE ROCKVILLE CAMPUS**  
**DEPARTMENT OF MATHEMATICS**  
**SYLLABUS – MATH 098 INTRODUCTION TO TRIGONOMETRY**  
**Spring 2019**

<p><b><u>Instructor Information:</u></b></p> <p>Professor Elaine Jadacki</p> <p><b>Email:</b> <a href="mailto:elaine.jadacki@montgomerycollege.edu">elaine.jadacki@montgomerycollege.edu</a>  <b>Preferred contact method</b></p> <p><b>Office:</b> Science Center 254P Rockville Campus</p> <p><b>Phone:</b> 240-567-5206  please do not leave a voicemail (email if you need a quick response)</p>	<p><b><u>Course Information:</u></b></p> <p><b>Semester:</b> Spring 2019  <b>CRN:</b>               <b>Science West</b>  <b>CRN:</b>               <b>Science Center</b>  Course Start / End dates:  Final Exam:  Last day for a refund:  Last day change from Audit to Credit:  Last day to drop the course with a W:</p> <p><b>CRN:</b>               <b>Science West</b>  Course Start / End dates:  Final Exam:  Last day for a refund:  Last day change from Audit to Credit:  Last day to drop the course with a W:  ***Other important dates are at the end of syllabus</p>
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<b>*Office Hours (in person)</b>			
<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>

*Please see / email me about an appointment if the above hours do not accommodate your schedule.  
Additional office hours will be offered via Blackboard Collaborate (TBD)  
\*Office hours are subject to changes throughout the semester to accommodate all students' needs.*

*\*Other office hours available by appointment*

**Text:** Basic Trigonometry by Steven Perencevich, 2016. The latest version of the textbook is posted on Blackboard. Be advised that the book is still a work in progress and the author appreciates acknowledgement of any errors you may encounter.

**Course Description:** An examination of right triangle trigonometry and applications. Topics include graphs and equations involving sine, cosine, tangent, and related basic concepts. Usually scheduled to meet 5-7 weeks in the first half or second half of a semester.

**PREREQUISITE:** A grade of C or better in MATH 050, appropriate score on mathematics assessment test, or consent of department. Assessment level: AELW 940/ELAI 990, READ 120 or AELR 930/ELAR 980. Formerly MA 105. ONE EQUIVALENT CREDIT HOUR. NOT APPLICABLE TO A DEGREE OR CERTIFICATE. MAY NOT BE USED TO SATISFY DEGREE REQUIREMENTS. NOT INCLUDED GPA CALCULATION.

**Grading Policy:**

In this course, you will be evaluated by means of tests, quizzes, in class participation and activities, quizzes, and homework.

**Tests:** We will have **a Mid Term and a Final**. Mid Term and the final exam are cumulative. All supporting work must be shown on the exams so that the instructor can properly assess your understanding of the material. The exams will be given in class and it is expected that you will be in class to take the exam on the day it is given. If you are ill (verifiably with a doctor's note) or have some other emergency, you must contact your instructor immediately.

**Quizzes:** There are weekly quizzes. **No quizzes will be made up.** Your instructor may also choose to use a homework assignment for evaluation.

**Homework and In Class Participation (activities):** Homework will be assigned daily through the course textbook. The in-class participation (ICP) activities contain problems that reinforce the concepts and skills learned in class. You are encouraged to actively participate in group and in class activities.

A grade of A, B, C, or U is awarded when the MATH 098 Final Exam is completed and the final course average is:

90 - 100%	A
80 - 89.99%	B
70 - 79.99%	C
0 - 69.99%	U

**Your final grade will be based on the following:**

<b>Homework</b>	<b>15%</b>
<b>Quizzes</b>	<b>20%</b>
<b>In class participation (activities)</b>	<b>5%</b>
<b>Mid Term Exam</b>	<b>30%</b>
<b>Final Exam</b>	<b>30%</b>

**Attendance:** Class starts promptly at which time quizzes may begin. Attendance will be taken daily; it is your responsibility to alert of your attendance. If you miss 3 absences before the last date to withdraw, you may be dropped from the class. Note that MC requires instructors to enter the last date attended for all students who do not pass. Even if you are not dropped from the class, you could lose your financial aid if you stop attending class.

**Make-up Policy:** No make-ups are offered for missed quizzes and late assignments. Test make up will be approved by your instructor and will only be allowed if ill (with a verifiable doctors note) or have some other emergency, you must contact your instructor immediately.

**Course Outcomes:** The course outcomes for MATH 098 can be found below or on the math department website: <https://cms.montgomerycollege.edu/mathematics/>

**Technology Required:**

- Blackboard (can be accessed via [MyMC](#)) or through the Bb portal [MC Bb Portal](#)  
Your course Textbook is located in Blackboard, so it is imperative that you are familiar with Bb.

If you need instructions on how to use Bb visit the Bb learning orientation.

To access the Bb orientation

Go to: <https://bb-montgomerycollege.blackboard.com>

Username:

Password:

- Blackboard Mobile Learn (get the APP)  
<https://cms.montgomerycollege.edu/elite/elearning/bb/ml/>
- **Graphing Calculator** (such as TI-83 / 84 plus) or equivalent models. No symbolic calculators, such as the TI-89 or TI-92 are allowed. Calculators are not to be shared during tests or quizzes. Smartphones may not be used as a calculator during quizzes or tests.

**The Math Science Center also lends calculators to students for the semester.**

**Check their site for details.**

<http://cms.montgomerycollege.edu/EDU/Department2.aspx?id=27975>

The math/Science Center offers graphing calculator workshops at the beginning of each semester. Check the Center's website and/or hallway posters for announcements of these workshops:

### **Getting Help**

After you have tried the homework, if you need help, there are several things you can do:

- Look in your text and your class notes for examples similar to the problems you are finding difficult.
- See your instructor during office hours or make an appointment. Bring the work with you that you have done so far.
- Form a study group with other class members. Working with other students can be a great way to learn. Consider utilizing the general discussion board (Trig Café) in Blackboard to communicate with your class members.
- Your textbook may have a complete solutions manual available to you.
- Go to the Math Science Center for extra help.

**Math Science Center:** The location, contact information and hours of your campus math resource center where students can get tutoring and other resources:

- **Rockville Campus**, Math/Science Center, The NEW Judy Ackerman Learning Center, Science West SW 100  
Hours: Mon. – Thurs. 8am – 8pm, Fri. 8am – 4pm, Sat. 10am – 3pm  
<http://cms.montgomerycollege.edu/EDU/Department2.aspx?id=64491>
- **Germantown Campus**, Math Accounting Physics Engineering Learning (MAPEL) Center, HT229, 240-567-1947  
<http://cms.montgomerycollege.edu/edu/department2.aspx?id=18038>
- **Takoma park / Silver Spring Campus**, Mathematics Learning Center, P1-101C, P1-101D, 240-567-1675  
<https://cms.montgomerycollege.edu/MathLearningCenterTP/>

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<http://cms.montgomerycollege.edu/EDU/Department2.aspx?id=27975>

**E-mail Communication Statement:** 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 and Place the course number (MATH 098 CRN: # ) and day class meets in the subject line.

My Montgomery College email ([elaine.jadacki@montgomerycollege.edu](mailto:elaine.jadacki@montgomerycollege.edu)). Generally, I will respond to emails within 36 hours or less exclusive of weekends (Fridays after 5pm through Sunday 8 pm).

### **Classroom Policies:**

**Academic Honesty:** Please read the section in the [Student Code of Conduct](#) labeled Academic Dishonesty or Misconduct. Copying another student's test paper will result in a zero on that paper, and possible disciplinary action. Note that copying another student's homework is considered "Cheating on assignments" and will also earn you a zero and possible disciplinary action. Allowing another student to copy your work is "Assisting others in committing academic dishonesty." You guessed it—allowing another student to copy your work will result in a zero for you and possible disciplinary action. If you have any questions about working together on assignments, please ask me.

Cell /Smart phones and other electronic devices are to be turned on vibrate or off and put away at the beginning of class. If you need to answer, text, or make a call, please go out of the classroom to do so. It is your responsibility to recover any material missed while out of class.

**Cell / Smart phones, iPads etc. are not allowed use as a calculator when taking any form of graded assessment in this class. Sharing of calculator during quizzes and tests in not allowed. The [Math Science Center](#) lends calculators to students for the semester. Check their site for details.**

**Course Schedule:** these dates are approximate and subject to changes throughout the semester.

### Tentative Course Schedule

	Topics Covered	Dates Covered M/W OR T/ TR
Week 1	Course Introduction Chapter 1 Right Triangle Trigonometry Sections 1.1, 1.2	01/21/19– 01/24/19
Week 2	Chapter 1: 1.2 continued, 1.3	01/28/19-01/31/19
Week 3	Chapter 1: 1.3 continued Chapter 2 Trigonometric Identities	02/04/19 – 02/07/19
Week 4	Mid Term Review Mid Term Exam	02/11/19 – 02/14/19
Week 5	Chapter 3 Radian Measure Chapter 4 Graphs of Trigonometric Functions Chapter 4: 4.1	02/18/19 – 02/21/19
Week 6	Chapter 4: 4.2 Chapter 5 Inverse Trigonometric Functions Chapter 5: 5.1	02/25/19 – 02/28/19
Week 7	Chapter 5: 5.2 Final Exam Review  Final Exam	03/4/19 – 03/07/19  MW 03/06/19 T TH 03/07/19

### \*\*Other Important Academic Dates

March 6-7	Final Exam depending on CRN section
March 10	Official end of the semester
March 11 – 17	Spring Break (no classes)

### **Important Student Information Link:**

<http://cms.montgomerycollege.edu/mcsyllabus/>

In addition to course requirements and objectives that are in this syllabus, Montgomery College has information on its [web site](#) to assist you in having a successful experience both inside and outside of the classroom. It is important that you read and understand this information. The [link](#) provides information and other resources to areas that pertain to

#### **Student Success such as:**

- **Student Behavior (Student Code of Conduct)**
- **Student e-mail, College Tobacco Free Policy**
- **Course Withdrawal and Refund Information;**
- **Resources for Military Service Members**
- **Veterans and Dependents**
- **How to access information on delayed openings and closings**
- **How to register for Montgomery College's Alert System**
- **How closings and delays can impact your classes**

Any student who may need accommodations due to a disability, please contact the Disability Support Services office on your campus as soon as possible (R-CB122; G-SA172; or TP/SS-ST233). If you have an accommodation letter from DSS, please contact me to discuss arrangements for your accommodations. 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: <https://cms.montgomerycollege.edu/EDU/Plain2.aspx?id=4162>

### **Basic Needs Statement**

“Any student who has difficulty accessing sufficient food to eat every day, or who lacks a safe and stable place to live, is urged to contact the *Dean of Students Affairs* on your campus. Furthermore, please notify the professor if you are comfortable in doing so. This will enable the professor to provide any resources that they may possess. We know this can affect performance in the course and Montgomery College is committed to your success.”

### **The Deans of Student Affairs, by Campus**

Germantown: Dr. Jamin Bartolomeo,  
[jamin.bartolomeo@montgomerycollege.edu](mailto:jamin.bartolomeo@montgomerycollege.edu)

Rockville: Dr. Tonya R. Mason,  
[tonya.mason@montgomerycollege.edu](mailto:tonya.mason@montgomerycollege.edu)

Takoma Park/ Silver Spring: Dr. Clemmie Solomon,  
[clemmie.solomon@montgomerycollege.edu](mailto:clemmie.solomon@montgomerycollege.edu)

## STUDENT HEALTH AND WELLNESS/ FUEL FOR SUCCESS WEBSITE

This website offers information about resources for food on our campuses and in the community and has links for community resources. The site offers the schedule for the mobile markets, locations of the food pantries as well as a link for those who wish to contribute their time or money to support our students <http://cms.montgomerycollege.edu/student-health-and-wellness/fuel-for-success/>

## CAMPUS FOOD PANTRIES

Each of the main campuses has a pantry stocked with snacks and food. Students are welcome to come pick up a snack to carry you through your next class, and to take a few items home.

Campus	Pantry Location	Days & Hours of Operation
<b>Germantown</b>	<i>High Tech (HT) Food Pantry</i> In the hallway, near HT300	9:00 a.m. - 5:00 p.m.
<b>Rockville</b>	<i>Women's' and Gender Studies Program</i>  <i>Food Pantry</i>  Hallway outside of MT212  ---  <i>Biology Department Food Pantry</i>  Science Center, 2 <sup>nd</sup> floor hallway	Monday-Friday  9:00 a.m. - 5:00 p.m.  ---  Monday-Friday  9:00 a.m. - 5:00 p.m.
<b>Takoma Park/Silver Spring</b>	<i>Commons Food Pantry</i>  CM 110  ---  <i>Institute for Justice, Race and Civic Engagement Food Pantry</i>  Pavilion 4, #202  <a href="mailto:Vincent.intondi@montgomerycollege.edu">Vincent.intondi@montgomerycollege.edu</a>	Monday - Thursday  8:00 a.m. - 7:00 p.m. Saturdays 9:00 a.m. - 1:00 p.m.  ---  Monday and Wed: 12:30-4  Tuesday and Thursday: 2-4

## MOBILE MARKETS

The College has a partnership with the Capital Area Food Bank. They distribute a variety of foods at Mobile Markets, at each of the three main campuses. Food is available on a first-come basis for MC students, faculty/staff, and the community. The markets are open to the entire community. No proof of eligibility is required. For information on volunteering at the Mobile Markets, reach to Student Affairs, [Carmen Poston-Travis](#) 240-567-5253 or [Benita Rashaw](#) 240-567-4389. *Please consider volunteering at the Mobile Markets!*

Campus	Mobile Market Location	Time	Dates
<b>Germantown</b>	Outside SA (In inclement weather - High Tech Building (HT), Second Floor Upper Lobby)	10:00 a.m.- 12:00 p.m.	February 13, 2019 March 20, 2019 April 10, 2019 May 8, 2019
<b><u>Rockville</u></b>	Outside of the North Garage (NG)	10:00 a.m. - 12:00 p.m.	February 20, 2019 March 27 , 2019 April 17, 2019 May 15, 2019
<b>Takoma Park/Silver Spring</b>	Outdoor space between the Student Center and North Pavilion (In inclement weather - ST atrium)	2:00 p.m. - 4:00 p.m.	February 6, 2019 March 6, 2019 April 3, 2019 May 1, 2019

The College provides accommodation for religious observances. While the College does not officially observe religious or ethnic holidays, it does recognize and accommodate an individual's right to choose to participate. The right to participate is an individual choice. A student's request for accommodation to participate in an observance that is not planned or hosted by the College should be pre-arranged with their professor prior to observance dates

If you have any questions, please bring them to your professor. As rules and regulations change they will be updated and you will be able to access them through the link. If any student would like a written copy of these policies and procedures, the professor would be happy to provide them. By registering for this class and staying in this class, you are indicating that you acknowledge and accept these policies.

**Let's have a great semester!**