MONTGOMERY COLLEGE
Course Syllabus
Mathematics and Statistics
Introduction To Trigonometry
Spring 2019

I. Contact Information
Instructor: Darren Smith
Office: HT129
Phone: 240-567-1914 office
E-mail: darren.smith@montgomerycollege.edu
Office Hours: Online and by appointment

II. General Course Information
MATH098   Introduction to Trigonometry
CRN: _____

Course Description:
MATH 098 - INTRODUCTION TO TRIGONOMETRY
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: MATH 050 or COREQUISITE MATH 165 (if completed in the first half of the semester), appropriate score on mathematics assessment test, or consent of department. Assessment level: ENGL 101/A, READ 120 or AELW 940 or ELAI 990. Non-credit
1.000 Bill Hours

This course is designed to prepare students for topics in Precalculus.

III. Textbooks, Workbooks, and Supplies
Text: *Basic Trigonometry,* by Stephen Perencevich Department of Mathematics & Statistics Montgomery College
IV. Course Requirements
Grading
Homework: 10%
Test 1 45%
Test 2 45%
Letter grades will be assigned as follows:
90% – 100%: A 80% – 89.9%: B 70% – 79.9%: C Below 70%: U

Additional resources:
1) http://www.purplemath.com/modules/index.htm
2) http://tutorial.math.lamar.edu/Extras/AlgebraTrigReview/AlgebraTrigIntro.aspx
3) https://www.khanacademy.org/math/trigonometry
4) http://www.stitz-zeager.com/szct07042013.pdf

Montgomery College
MATH 098 Course Outcomes

#	*Outcome: Upon completion of this course/program a student will be able to:*
1	Solve right-triangle trigonometric problems, including word problems.
2	Solve simple trigonometric equations.
3	Graph $y = A\sin(x)$, $y = A\cos(x)$ and $y = \tan(x)$ without a calculator.

4	Evaluate the 6 trigonometric functions without a calculator for
	    a. the angles of a right triangle
	    b. an angle in standard position defined by a point in the plane.
	    c. quadrantal angles.
	    d. special angles: 30°, 45°, and 60° as well as those angles whose reference angles are $30°$, $45°$, $60°$.

5	Evaluate the 6 trigonometric functions for any angle in degrees or radians with a calculator.

6	Define degrees and radians.
	    a. Convert between degrees and radians
	    b. Locate angles (in radians) on a unit circle.

7	Sketch an angle in standard position
	    a. Find and use reference angles.
	    b. Find and understand coterminal angles.

8	Use basic identities to simplify expressions involving trigonometric functions.

Important Links for Students

Assessment Centers. The Montgomery College Assessment Centers provide PLACEMENT and ... TESTING includes Accuplacer and ESL Accuplacer assessment tests for ...

http://www.montgomerycollege.edu/assessmentcenters |

Academic calendar. When is Spring break? When are midterm exams? When does the Spring semester begin? http://cms.montgomerycollege.edu/edu/department2.aspx?id=16456

ADA Information and Compliance:
http://cms.montgomerycollege.edu/edu/Department.aspx?id=53990

Alert Montgomery System. Sign up for Alert Montgomery the official emergency communications service for Montgomery County, MD. During a major crisis, emergency or severe weather event, Montgomery County officials can send event updates, warnings and instructions directly to you on any of your devices. https://member.everbridge.net/index/1332612387832009#/login

Code of Conduct. If you have questions regarding behavioral expectations:
http://cms.montgomerycollege.edu/WorkArea/DAsset.aspx?id=35945

Counseling & Advising. Academic advising and short term counseling.
http://cms.montgomerycollege.edu/edu/secondary1.aspx?urlid=4

Disability Support Services. If you are requesting a reasonable accommodation related to a disability:

http://cms.montgomerycollege.edu/edu/secondary5.aspx?urlid=52

Forms: graduation, involuntary withdraw, change of major, appeals.
http://cms.montgomerycollege.edu/edu/department2.aspx?id=10072

Learning Centers and Academic Support Centers. If you are a student who would benefit from tutoring and/or support in reading, writing languages , mathematics, Science, and Technology:
http://cms.montgomerycollege.edu/learningcenters/

Safety, Security, & Emergency Operations Plan. Contacts for security offices, Emergency guidelines & procedures, evacuations, Montgomery College Alert, Emergency Guidelines for Individuals with Disabilities,
http://cms.montgomerycollege.edu/edu/plain2.aspx?id=4087

Sexual Harassment or Discrimination. Office of Equity and Diversity.
http://cms.montgomerycollege.edu/edu/Department2.aspx?id=65693