

MATH 1060 TRIGONOMETRY
3 SEMESTER HOURS
FALL SEMESTER 2017
CLASSROOM: SNOW 124(7:30) ; 147(10:30)

INSTRUCTOR: MORTENSEN
OFFICE: SNOW Building Commons
PHONE: 632-4213
OFFICE HOURS: 10-11 Tue. & Thurs.

TEXTBOOK:TRIGONOMETRY. By Sullivan, 10th Edition

MATERIALS NEEDED A calculator with trig functions is required.

✓☐ **ACourseID:** mortensen72747 FOR THE 7:30 CLASS
mortensen47121 FOR THE 10:30 CLASS

✓☐ **A valid email address that you check regularly** This address will be used to confirm your registration and for other communication about the course. Your instructor will also use this email address to communicate with you

✓☐ **To register for MyMathLab (MML)**, go to <http://www.mymathlab.com/> and

- ✓ Under the heading "Register", click "Student".
 - ✓ When you are asked for the **COURSE ID** enter the number listed above
 - ✓ Follow the instructions to either create an account, or sign in if you have an existing account. If you are creating a new account, you will need to purchase a student **ACCESS CODE** from either the publisher as you are registering or ahead of time from the bookstore. Check both places to see which is less expensive.
 - ✓ When you enter your **email account**, please make sure you use the email that you check the most often.
 - ✓ If you have questions, please go to <http://www.pearsonmylabandmastering.com/northamerica/students/get-registered/index.html> and watch the video found by scrolling towards the bottom of the screen or you may contact customer support service (<http://www.mymathlab.com/student-support>).
- ✓ A 14-day free trial is available through the MML website.

MATHEMATICS AT DIXIE COLLEGE. All classes in mathematics at Dixie College support the general education goal of the college. Within the limitations imposed by the nature of mathematics (i.e. the dependency on prior learning and the need for content fluency), each class will:

- ☐ Require students to perform mathematical processes including fractions, percentages, decimals, proportions/ratios, algebraic equations and or calculus techniques
- ☐ Provide students with application problems that use a variety of methods including arithmetical, algebraic and geometric methods.
- ☐ Challenge students to make inferences from mathematical models that include formulas, graphs and tables.
- ☐ Provide students with real-life applications that use a variety of mathematical functions

Purpose of Math 1060, Trigonometry

The primary purpose of Math 1060 is present students opportunities for students to learn the ideas of the mathematical field of trigonometry. This knowledge will allow students to apply this field of study in classes of Calculus, Physics and Engineering, as well as some real world applications. Although this class can be used to fulfill the general education requirements of Dixie College, it is not recommended as a singular class.

Objectives:

Upon successful completion of Math 1060, a student will demonstrate through testing

1. Manipulate and evaluate trigonometric functions.
2. Use proofs to work with the trigonometric functions to prove trigonometric identities.
3. Demonstrate the ability to use trigonometric identities to solve real world applications.
4. Use vectors geometrically and algebraically to solve problems.

CLASS ATTENDANCE: In order to be successful in mathematics, you must choose to attend class on a regular basis. Statistics have definitely shown that grades improve with better attendance.

CLASS PARTICIPATION: Be willing to be involved in the class as an active participant. Ask questions, contribute toward solutions, and be interested in the class activities. In order to be successful, you must be involved as a participant, not on the sidelines as a spectator.

MAKING A FRIEND IN THE CLASS: Attempt to make a friend in your class. You may find you enjoy sitting together and drawing support and encouragement from one another. Study together whenever possible!!

GETTING HELP: Getting the right kind of help at the right time can be a key ingredient to being successful in math. When you have gone to class on a regular basis, taken careful notes, read your text carefully, diligently done your homework, thus making every effort possible to learn the mathematical skills, you may find that you are still having difficulty. If this is the case, then you need to seek help. Make an appointment with the instructor to find out what help is available to you in the form of instructor time, tutoring service, math labs and computer software.

HOMEWORK ASSIGNMENTS: Keep in mind that math is a skill that can only be learned and mastered by doing it yourself with lots and lots of practice. **There is no other way!** Set aside some time each day for doing homework assignments. Do not attempt to do a whole chapter's assignments at one sitting. That is a disaster! **A minimum of two hours** spent studying outside of class for each hour in class is usually required for college courses.

GRADING

Homework: Assignments are to be completed in MML. Due dates are also posted in MML.

- ☐ You get three attempts to get a problem correct. If after the third attempt you still have not gotten the problem correct, you may request a similar problem to be generated and graded by clicking on the "Help Me Solve This" button of the homework window. You are encouraged to repeat homework problems and obtain a perfect score before the due date.
- ☐ Your homework will be worth 20% of your overall course grade.
- ☐ It is very important that you keep current on the assignments.

Test Reviews: Test reviews are to be completed in MML. Due dates are also posted in MML.

- ☐ No minimum score is required on your test reviews in order to access the test associated with the reviews.
- ☐ You get three attempts to get a problem correct. If after the third attempt you still have not gotten the problem correct, you may request a similar problem to be generated and graded by clicking on the "Similar Exercise" button at the bottom of the homework window. You are encouraged to repeat review problems and obtain a perfect score before the due date.
- ☐ If you do not know how to solve a problem, you may select the "Help Me Solve This", "Textbook" or other help features in the right hand menu in the MML review window.
- ☐ Your test review scores will count as homework scores.
- ☐ You are highly encouraged to do the reviews to help you prepare for your tests.

Tests: Four handwritten tests will be given. Each test will be 15% of your overall course grade. **All tests must be taken in the Testing Center.** You may take each test only once. Students are expected to take the tests as scheduled in the syllabus. You may not access the test after the due date. Make-up exams will NOT be given except in documented emergencies, such as death in immediate family, hospitalization (documentation required), active military duty, DSU-sponsored-events requiring mandatory attendance (proof of attendance required). You must notify your instructor immediately in the case of an emergency for consideration and get prior consent if not an emergency. The lowest test score (percentage) can be replaced with the final exam percentage. You may not access other websites or wear headphones while taking the midterm exams.

Final Exam: The final comprehensive exam worth 20% of your overall course grade must be taken(see schedule) **You may take the final comprehensive exam only once.** You may not access any other websites or wear headphones while taking your final exam.

Attendance: Attendance is essential.

Grading Policy: Unit Tests 15% each; Homework/Test Reviews 20%; Final Exam 20%
Letter grades will be assigned as follows:

A	94 – 100%	B	83 – 86%	C	70 – 74%	D	55 – 59%
A-	90 – 93%	B-	80 – 82%	C-	65 – 69%	D-	50 – 54%
B+	87 – 89%	C+	75 – 79%	D+	60 – 64%	F	0 – 49%

DISABILITY NOTICE

“If you are a student with a medical, psychological, or learning disability or think you might have a disability and would like accommodations, contact the Disability Resource Center (652-7516) in the Student Services Center. The Disability Resource Center will determine eligibility of the student requesting special services and determine the appropriate accommodations related to their disability.”

CODE OF CONDUCT: Dishonesty, including, but not limited to, cheating, plagiarism, or knowingly furnishing false information to the college, will result in expulsion from the class.

TRIG SCHEDULE

(The instructor reserves the right to modify this schedule)

DAY SEC. ASSIGNMENT

AUG. 22 2.1

24 2.2

AUG. 29 2.3
2.4

31 2.5
2.6

SEP. 5 CHAPTER 2 REVIEW

TBA **CHAPTER 2 TEST**

7 3.1
3.2

SEP. 12 3.3

14 3.4

SEP. 19 3.5

21 3.6
3.7

SEP. 26 CHAPTER 3 REVIEW

TBA-**CHAPTER 3 TEST**

28 4.1

OCT. 3 4.2
4.4

5 4.3

OCT. 10 CHAPTER 4 REVIEW

TBA-**CHAPTER 4 TEST**

OCT. 12 **NO CLASS**

OCT. 17 5.1

19 5.2

OCT. 24 5.3

26 5.4

OCT. 31 5.5

NOV. 2 5.6 & 5.7

NOV. 7 CH. 5 REVIEW

TBA-**CHAPTER 5 TEST**

9 6.1 NO ASSIGNMENT
6.2

NOV. 14 6.3
6.4

16 6.6

NOV. 21 6.7

NOV. 23 **THANKSGIVING**

NOV. 28 TBA

NOV. 30 TBA

DEC. 5 **FINAL REVIEW**

DEC. 7 **FINAL REVIEW**

DEC. 12 **FINAL EXAM 9:00-11:00 PM**
(10:30 CLASS)

DEC. 14 **FINAL EXAM 7:00-9:00AM**
(7:30 CLASS)