

DIXIE STATE COLLEGE - - Fall 2015
MATHEMATICS DEPARTMENT

Course Number: MATH 1060**Section Number:** 1**Room Number:** SNOW 150**Instructor:** Ross Decker decker@dixie.edu**Phone Number:** 862-0688**Text:** Trigonometry-A Unit Circle Approach (10th Edition)**Prerequisites:** C or better in **MATH 1050**.**Course Title:** Trigonometry**Meeting Time:** Tu Th from 7:30 to 8:50

Aug 24 to Dec 15

Office Room Number: SNOW 142**Office Hours:** 11:00-12:00 Daily, or by appointment**Author:** Michael Sullivan

Exam dates and points possible are as follows:

Exam 2	September 8-13	100 points
Exam 3	Sep 29–Oct 4	100 points
Exam 4	October 13-18	100 points
Exam 5	November 17-22	100 points
Exam 6	December 3-7	100 points
Final Exam	December 15 (8:00-10:00)	200 points
Homework	(5 points each)	<u>175 points</u>
TOTAL POINTS:		875 points

ATTENDANCE: Any student who misses the first two days of class will be dropped from the class.**DISHONESTY:** If it is determined that you cheated, you will receive a zero for that exam.

If cheating occurs a second time, you will receive an F for the course.

DISABILITIES: If you suspect or are aware that you have a disability that may affect your success in the course, you are strongly encouraged to contact the Disability Resource Center (DRC) located in the North Plaza Building. The disability will be evaluated and eligible students will receive assistance in obtaining reasonable accommodations. Phone # 435-652-7516.**DISCRIMINATION:** DSU seeks to provide an environment that is free of bias, discrimination, and harassment. If you have been the victim of sexual harassment/misconduct/assault, we encourage you to report this to the college's Title IX Director: Cindy Cole 652-7731, cindy.cole@dixie.edu If you report to a faculty member, she or he must notify the Title IX Director about the basic facts of the incident.**GRADES:** Your semester grade will be based on the following scale: **A**(92-100%), **A-**(89-92%), **B+**(86-89%), **B**(82-86%), **B-**(79-82%), **C+**(76-79%), **C**(72-76%), **C-**(69-72%), **D+**(66-69%), **D**(62-66%), **D-**(59-62%), **F**(0-59%)**GENERAL REMARKS:** It is the responsibility of each student to make time each day to read the text, attempt all homework problems, study for exams, and get extra help. Your work should be neat and easily read. Problems will be graded more for the work shown than for the final answer. Assignments should be considered a minimum and many students should work additional problems to reach mastery. Course schedules, assignments, and exam dates are subject to change as circumstances dictate.

COURSE OBJECTIVES

All mathematics classes at Dixie State College will:

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

Upon successful completion of MATH 1060, a student will demonstrate through testing, the ability to:

1. Use definitions and properties of trigonometric functions to solve problems.
2. Express angle measure in terms of radians and degree-minute-seconds.
3. Determine the graph and period of a trigonometric function.
4. Evaluate the graph and period of a trigonometric function.
5. Verify trigonometric identities.
6. Solve trigonometric equations.
7. Solve triangles (both right and oblique).
8. Graph conics and find the measures of their key components.

TUE	THUR	Ch 1
8/25	8/27	2.1
Ch 1, 2.1	2.2 & 2.3	
9/1	9/3	2.2
2.4	2.5 & 2.6	2.3
9/8	9/10	2.4
Review Ch 2	3.1 & 3.2	2.5
9/15	9/17	2.6
3.3	3.4	2.R
9/22	9/24	
3.5 & 3.6	3.7	3.1
9/29	10/1	3.2
Review Ch 3	4.1	3.3
10/6	10/8	3.4
4.2	4.3 & 4.4	3.5
10/13	10/15	3.6
Review Ch 4	Fall Break	3.7
10/20	10/22	3.R
5.1	5.2	
10/27	10/29	4.1
5.3	5.4	4.2
11/3	11/5	4.3
5.5	5.6 & 5.7	4.4
11/10	11/12	4.R
Review Ch 5	6.2	
11/17	11/19	5.1
6.3 & 6.4	6.5	5.2
11/24	11/26	5.3
6.6	Thanksgiving	5.4
12/1	12/3	5.5
6.7	Review Ch 6	5.6
12/8	12/10	5.7
Review for Final	Review for Final	5.R
12/15		
Final Exam		6.2
8:00-10:00		6.3
		6.4

6.6

6.7

6.R

Testing Center Hours

Monday – Friday

9 AM to 10 PM

Saturday

2 PM to 10 PM

Sunday

4 PM to 10 PM

- **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 **decker35366**
 - ✓ 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.