

DIXIE STATE COLLEGE - - Fall 2009
MATHEMATICS DEPARTMENT

Course Number: MATH 1060**Section Number:** 1**Room Number:** NIB 136**Instructor:** Ross Decker**Office Phone Number:** 652-7763**Text:** Trigonometry (9th Edition)**Prerequisites:** C or better in **MATH 1050**.**Course Title:** Trigonometry**Meeting Time:** Tu Th from 10:30 to 11:50

Aug 24 to Dec 15

Office Room Number: NIB 139**Office Hours:** MWF 11-12, TuTh 12-1, or by appointment**Authors:** Lial, Hornsby, Schneider, Daniels

Exam dates and points possible are as follows:

Exam 1	September 1-3	100 points
Exam 2	September 10-14	100 points
Exam 3	September 22-24	100 points
Exam 4	October 1-5	100 points
Exam 5	October 20-22	100 points
Exam 6	Oct 29 – Nov 2	100 points
Exam 7	November 12	100 points
Exam 8	December 3-7	100 points
Final Exam	December 15 (9:30-11:30)	200 points
Homework	(5 points each)	<u>190 points</u>
TOTAL POINTS:		1190 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 are a student with a medical, psychological, or learning disability, and would like accommodations or think you might have a disability, contact the Disability Resource Center (652-7516) in the Student Services Center, Room 201. The Disability Resource Center will determine eligibility based on your professional documentation and determine the appropriate accommodations related to your disability.**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**8/25**

1.1 & 1.2

9/1

Review Ch 1

9/8

2.3, 2.4, 2.5

9/15

3.1 & 3.2

9/22

Review Ch 3

9/29

4.3 & 4.4

10/6

5.1 & 5.2

10/13

5.5 & 5.6

10/20

Review Ch 5

10/27

6.3 & 6.4

11/3

7.1, 7.2, 7.3

11/10

Review Ch 7

11/17

Career Day

11/24

8.3 & 8.4

12/1

8.5 & 8.6

12/8

Review for Final

12/15Final Exam
9:30-11:30**THUR****8/27**

1.3 & 1.4

9/3

2.1 & 2.2

9/10

Review Ch 2

9/17

3.3 & 3.4

9/24

4.1 & 4.2

10/1

Review Ch 4

10/8

5.3 & 5.4

10/15

Fall Break

10/22

6.1 & 6.2

10/29

Review Ch 6

11/5

7.4 & 7.5

11/12

Exam 7

11/19

8.1 & 8.2

11/26

Thanksgiving

12/3

Review Ch 8

12/10

Review for Final

1.1 1-129eoo**1.2** 1-69eoo, 62**1.3** 1-81eoo, 95-103o**1.4** 1-81eoo, 85-94**2.1** 1-57eoo, 67-79eoo, 80,81**2.2** 1-6,10-18,32,37-43o,58-63,66,71-81o**2.3** 1-5, 11-31o, 40, 45-61eoo**2.4** 1-15o, 21-53eoo**2.5** 5-17o, 19-35eoo**3.1** 1-6, 9-61eoo, 63-81o**3.2** 1-11o, 13-37eoo, 39-45o, 49-65eoo, 62**3.3** 1-53eoo, 55-73o**3.4** 3-17o, 19-43eoo, 37**4.1** 1-12, 13-37eoo, 41-51o**4.2** 1-12, 15-24, 25-57eoo**4.3** 1-6, 7-31eoo, 33, 35**4.4** 1-4, 5-17eoo, 19-27o**5.1** 1-6,7-11o,13-24,28,32-44,49,51,53-69eoo**5.2** 1-77eoo**5.3** 1-4, 7-63eoo**5.4** 1-6, 9-65eoo, 67-69**5.5** 1-6, 9-53eoo, 57-64**5.6** 1-10, 11-55eoo**6.1** 1-12, 13-65eoo, 67-69**6.2** 11-51eoo**6.3** 2, 4, 7-39eoo, 42**6.4** 1-45eoo**7.1** 1-4, 5-17eoo, 25-49eoo**7.2** 1-3, 11-35eoo**7.3** 3-47eoo, 61-67o, 73, 74**7.4** 1-4, 7-91eoo**7.5** 1-29eoo**8.1** 1-6, 7-107eoo**8.2** 1-3, 7-47eoo, 53-58see also: <http://www.dixie.edu/reg/syllabus/>**8.3** 1-4,5-23o,33-39**8.4** 1-41eoo,51,53**8.5** 1-21eoo,23-27o,37-40,41-61eoo,73,75**8.6** 1-4, 5-45eooTesting Center HoursMonday – Friday

9 AM to 10 PM

Saturday

2 PM to 10 PM

Sunday

4 PM to 10 PM