

**TRIGONOMETRY**CRN#24987 CourseID: **cornwall84402**

TR 2:30PM-3:45PM

Room: SNOW 124

**Instructor:** Elizabeth Cornwall**Email Address:** [ecornwall@dixie.edu](mailto:ecornwall@dixie.edu)**Office Room #:** SNOW 126**Office Phone:** 435.652.7645**Office Hours:** Monday-Thursday 10:00-11:00 AM, or by appointment**Course Prerequisite:**

MATH 1050 (Grade C or higher) within two years of enrollment in this course; *OR* ACT or equivalent placement score 25 or higher within two years of enrollment in this course.

This section on Math 1060 will be taught as a lecture course including an extensive computer based component. This means all homework will be completed, checked, and submitted to the instructor on the computer through a program called MyMathLab. You will also be given practice tests and review problems on the computer, although the chapter tests and final exam will be given in class. **You will need access to a computer with internet for daily assignments.** Computer labs are available to those students who do not have internet access. The CourseID for this class is listed under required materials. You will receive more instruction on the first day of class.

**Required Materials**

- A non-graphing scientific calculator is required. The instructor will use the TI-30XIIS.  
*No TI-89's are permitted.*
- A CourseID: **cornwall84402**
- A valid email address that you can check regularly. This address will be used to confirm your registration and for other communication about the course. The instructor will also use this email to communicate with you.
- Computer Software: You will need a student access code which you can purchase from the bookstore (ask for a MyMathLab access code) or online at [www.mymathlab.com](http://www.mymathlab.com). We suggest that you go to the website and watch the information under "students" before making any decision to purchase the software. You can pay for it and register for your section on this same webpage. The difference in price is minimal.

**Mathematics at Dixie State University**

All classes in mathematics at Dixie State University support the general education goal of the university. 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.

## Course Description

The primary purpose of Math 1060 is present the basic principles and theories of trigonometry to students. The knowledge gained will allow students to apply this field of study in areas 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 State University, it is not recommended as a singular class.

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

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

## Class Attendance

Roll will only be taken the first few days of class. With that being said, in order to succeed in this, and other courses, it is highly recommended you choose to attend class on a regular basis.

## 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 university, will result in expulsion from the class.

## Grading

The course will be graded with the following weights.

- Homework: 30%  
It is important to remain current on assignments. Late assignments will be deducted 30% from total correct points.
- Chapter exams: 40%  
There will be four (4) chapter exams throughout the semester. Each student is expected to take the exams as scheduled in the syllabus. Exams will be taken in the Testing Center in the North Plaza Building on campus. Make-up exams as a rule will not be given. However, this may change at the instructor’s discretion and only if prior arrangements have been made.
- Final exam: 30%  
The Final Exam will cover the final chapter **AS WELL AS** a comprehensive covering all material taught throughout the semester.  
**ALL** tests will be counted toward your final grade. However the score from your lowest chapter exam can be replaced with the percent on the final exam.

## Grading Scale

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

## Assignments and Tentative Schedule

Course schedules, assignments, and exam dates are subject to change as circumstances dictate. It is the responsibility of each student to attend the class and get the updated information.

<b>Tuesday</b>	<b>Thursday</b>
1/13	1/15
2.1	2.2
1/20	1/22
2.3	2.4, 2.5
1/27	1/29
2.6, <i>Review</i>	3.1, 3.2
<b>TEST Ch2</b>	
2/3	2/5
3.3	3.4
2/10	2/12
3.5	3.6
2/17	2/19
3.7, <i>Review</i>	4.1
<b>TEST Ch3</b>	
2/24	2/26
4.2	4.3
3/3	3/15
4.4, <i>Review</i>	5.1, 5.2
<b>TEST Ch4</b>	
3/10	3/12
<i>Spring Break</i>	<i>Spring Break</i>
3/17	3/19
5.3	5.4
3/24	3/26
5.5	5.6
3/31	4/2
5.7, <i>Review</i>	6.1, 6.2
<b>TEST Ch5</b>	
4/7	4/9
6.3	6.4
4/14	4/16
6.6	6.7
4/21	4/23
<i>Final Review</i>	<i>Final Review</i>
4/28	
<i>Final Review</i>	
<b>FINAL EXAM:</b>	
<b>MAY 5<sup>TH</sup> 2015</b>	
<b>2:00-4:00 PM</b>	
<b>SNOW 124</b>	