

MATH 1060-01 TRIGONOMETRY with MyLab
FALL 2011, course id: **ionita21948**

Instructor: COSTEL IONITA
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Time: 9:00-9:50 MWF
Place: NIB 135
Office Hours: 8:00-11:00 Tu, 10:00-11:00 MTuWE, or by appointment
Text: Trigonometry: A Unit Circle Approach, 9e
by Sullivan

This section will be taught as a lecture course but will include an extensive computer based component. This means all homework will be done, 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 on campus are available to those students who do not have internet access. We suggest that you go to the following web site and watch the information under “students” before making any decision to purchase the software: <http://www.coursecompass.com>. You can pay for it and register for your section on this same webpage. The course id for this class is **ionita21948**. You will receive more complete instructions on the first day of class.

OBJECTIVES: 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.

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 inverse trigonometric functions and their graphs.
5. Verify trigonometric identities.
6. Solve trigonometric equations.
7. Solve triangles (both right and oblique).
8. Graph conics and find measures of their key components.

DMAIL: Important class and college information will be sent to your Dmail email account. This information includes your grade for this class, DSC bill, financial aid/scholarship notices, notification of dropped classes, reminders of important dates and events, and other information critical to your success in this class and at DSC. All DSC students are automatically assigned a Dmail email account. If you don't know your user name and password, go to www.dixie.edu and select “Dmail,” for complete instructions. You will be held responsible for information sent to your Dmail email, so please check it often.

CLASS ATTENDANCE AND PARTICIPATION: It is your responsibility to attend class although it is not required. Be willing to be involved in the class as an active participant. ASK questions, contribute toward solutions, and be interested in the class activities.

IMPORTANT DATES Go to: <http://new.dixie.edu/reg/?page=fall2011>

GETTING HELP: Use the office hours! I do not plan anything during those times so if you do not stop by I am getting very bored. Use me as much as you can. That's why I am here.

DISABILITIES: If you are a student with a medical, psychological or a learning difference and requesting reasonable academic accommodations due to this disability, you must provide an official request of accommodation

to your Professor(s) from the Disability Resource Center within the first two weeks of the beginning of classes. Students are to contact the Center on the main campus to follow through with, and receive assistance in the documentation process to determine the appropriate accommodations related to their disability. You may call (435) 652-7516 for an appointment and further information regarding the Americans with Disabilities Act (ADA) of 1990 per Section 504 of the Rehabilitation Act of 1973.

HOMEWORK: Keep in mind that math is a skill that can only be learned and mastered by doing it yourself with lots of practice. Do not attempt to do a whole chapter's assignment at one sitting. A minimum of three hours spent studying outside of class for each hour in class is usually required for college courses.

GRADING: There are five tests and a final exam that will make up 70% of your final grade and they will be 50 minutes long, no exceptions! The MyLab homework assignments will make up 30% of your final grade. The final exam will be comprehensive. All tests count toward your grade. The lowest test score can be replaced by the percent on the final exam. Make-up exams as a general rule will not be given.

GRADING SCALE: **A** (90-100%), **B+** (87-89%), **B** (83-86%), **B-** (80-82%), **C+** (75-79%), **C** (70-74%), **C-** (65-69%), **D+** (64-60%), **D** (55-59%), **D-** (50-54%), **F** (0-50%).

Monday	Wednesday	Friday
08/22 2.1	08/24 2.2	08/26 2.3
08/29 2.4	08/31 2.5	09/02 2.6
09/05 NO SCHOOL Labor Day	09/07 Review	09/09 TEST 1
09/12 3.1	09/14 3.2	09/16 3.3
09/19 3.4	09/21 3.4	09/23 3.5
09/26 3.5	09/28 3.6	09/30 3.6
10/03 3.7	10/05 Review	10/07 TEST 2
10/10 4.1	10/12 4.2	10/14 NO SCHOOL Fall Break
10/17 4.3	10/19 4.4	10/21 Review
10/24 TEST 3	10/26 5.1	10/28 5.2
10/31 5.3	11/02 5.4	11/04 5.5
11/07 5.6	11/09 5.7	11/11 Review
11/14 TEST 4	11/16 6.1, 6.2	11/18 6.3
11/21 6.4	11/23 NO SCHOOL Thanksgiving	11/25 NO SCHOOL Break
11/28 6.7	11/30 Review	12/02 TEST 5
12/05 Review	12/07 Review	12/09 Review

FINAL EXAM, Monday, December 12, 10 am until Noon.