

MATH1060 TRIGONOMETRY INTERNET COURSE

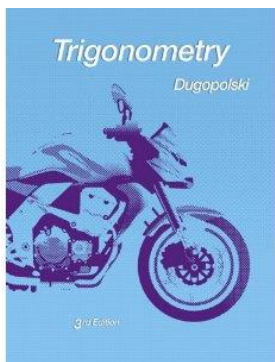
Instructor

Your instructor is Kristin Cartwright. To contact me about this course, you should use the "Send Email" tool in MyMathLab. It is located under the Communications tab, or email directly to khunt9@bruinmail.slcc.edu

I will be sending messages to you using your email address you used for registration. Make sure you have an email address registered with MML that you regularly check.

You should get in the habit when you sit down to work on the course of first checking your email for announcements from me.

Textbook



Recommended: *Trigonometry, 3rd Edition* by Mark Dugopolski (the book is completely online at the MyMathLab site so if you don't want a hard copy of the book, you can get by without although a hardcopy is recommended for easy reading, study and reference).

Required: MyMathLab Access Kit (packaged free with NEW book). If you purchase a used book, you must purchase a new access kit. The kit is available at the bookstore or you can purchase immediate access online when you register (this is cheaper than purchasing an access kit).

Basic Computer Requirements for MyMathLab:

Internet connection: Cable/DSL, T1, or other high-speed for multimedia content; 56k modem (minimum) for tutorials, homework, and testing.

Memory: 64 MB RAM minimum

Monitor resolution: 1024 x 768 or higher

Plug-ins: This course requires Flash Player which you likely already have installed in your Internet browser. There is a browser check (found inside your course) where you can update or install it if you do not already have it.

These are minimum requirements---anything better than this will operate more efficiently. If you are operating with minimum requirements things may take a little longer to load so be patient.

Course Overview

SLCC is committed to fostering and assessing the following student learning outcomes in its programs and courses:

- Acquiring substantive knowledge in the field of their choice
- Developing quantitative literacies
- Developing the knowledge and skills to be civically engaged
- Thinking critically
- Communicating effectively

PREREQUISITES: Within the last year, you must have completed a college algebra course, such as Math 1050, with a grade of C or better, or a CPT score of at least 70 on the college algebra section. If you do not have documentation verifying one of these prerequisites, you should register for and complete Math 1050 here at the college.

COURSE OBJECTIVES: This course is intended to prepare students for a comprehensive course in calculus by teaching concepts and facts required for a major in math, physics, chemistry, engineering, and computer science, as well as many of the life sciences. The course presents trigonometric functions, polar functions, trigonometric equations, and solutions of right triangles and oblique triangles. Polar coordinates, complex numbers, parametric equations, and vectors are also introduced. Students are required to know basic trigonometric facts such as the sine, cosine, and tangent values of special angles without using a calculator. Students are also required to know the fundamental trigonometric identities without looking them up.

Important Dates

It is very important in this class just as it is in a live class to **keep up**. There are **due dates** for assignments, quizzes and tests listed in the schedule. **Please print out the calendar** and keep handy for reference as to what is due when. You will need to schedule and take three proctored exams: two midterms and a final, at the Instructional Testing Center. See information under exams. If you are not within commuting distance of the college, you will need to arrange for a proctor. See information under exams.

FOR THOSE NOT WITHIN COMMUTING DISTANCE, PROCTORS NEED TO BE ARRANGED WITHIN THE FIRST TWO WEEKS OF THE SEMESTER: More information in the exam section below.

Homework

Homework assignments will be completed in MyMathLab. Homework problems can be re-worked if you are not happy with your score. The homework has **due dates for each section**. These dates are found in the course schedule. I use these due dates as motivation for you. I do however allow you to work on the homework late for credit. You may work on the homework as long as you need to until you get 100%. If you don't get full credit on a problem, try it again.

I **HIGHLY recommend** getting a **math notebook** and working the homework problems on paper in your notebook, labeling each section and problem. This will help you as you work the problems and as you review and study for tests.

There are video clips of homework examples that explain strategies and illustrate problems. These were made by Shawna Haider and are a great resource to help you understand the material and complete homework problems. They are accessed by the following link: <http://rwdacad01.slcc.edu/academics/dept/math/shaider/videos/index.htm>. **Don't overlook this resource** as it is just like an instructor in class working some examples to help you with the homework.

Late homework has a **10% penalty**. This only applies to problems from the assignment done after the due date.

Quizzes

There are **quizzes** in MyMathLab for each section that **should be completed after completing the homework for the section**. These quizzes are due the same day as the homework for the section. These quizzes should be closed books and notes. They are really more problems from the section on key topics to see if you really have learned what you need to from the section and can complete problems without help. The quizzes are like check-ups to see if you are ready to move on. They can be taken an unlimited number of times (each time the computer will generate a different version). The computer reports your **BEST** score to your instructor.

MyMathLab

The course content, Power Point lectures, video clips for sections, animations, video clips of examples, chapter tests and other information are located in MyMathLab. This online site will be where you learn the material and complete the homework, quizzes and chapter tests.

Discussion Board

The Discussion Board is located in MyMathLab under the Discussion Board link. You will be given participation points for participating in the discussions as directed in the course and by your instructor. Actively participating on the discussion board can make a difference in your grade. Non-participation **WILL** hurt your grade since it is worth a percentage of your overall score.

General Education Statement

This course fulfills the **Quantitative Literacy (QL)** requirement for the General Education Program at Salt Lake Community College. It is designed not only to teach the information and skills required by the discipline, but also to develop vital workplace skills and to teach strategies and skills that can be used for life-long learning. General Education courses teach basic skills as well as broaden a student's knowledge of a wide range of subjects. Education is much more than the acquisition of facts; it is being able to use information in meaningful ways in order to enrich one's life. While the subject of each course is important and useful, we become truly educated through making connections of such varied information with the different methods of organizing human experience that are practiced by different disciplines. Therefore, this course, when combined with other General Education courses, will enable you to develop broader perspectives and deeper understandings of your community and the world, as well as challenge previously held assumptions about the world and its inhabitants.

Signature Project & E-Portfolio

General Education ePortfolio—Each student in General Education courses at SLCC maintains a General Education ePortfolio. Instructors in every Gen Ed course will ask you to put at least one assignment from the course into your ePortfolio, and accompany it with reflective writing. **It is a requirement in this class for you to add to your ePortfolio**, and this syllabus details the assignments and reflections you are to include. Your ePortfolio will allow you to include your educational goals, describe your extracurricular activities, and post your resume. When you finish your time at SLCC, your ePortfolio will then be a multi-media showcase of your educational experience. For detailed information visit <http://www.slcc.edu/gened/eportfolio> .

After you have picked an ePortfolio platform, go to the corresponding help site to watch the tutorials and look at the examples so you can get started on your own:

<https://sites.google.com/site/slccport>

<http://slccportfolio.wordpress.com>

<http://slccportfolio.weebly.com>

If you would like to start your ePortfolio in a computer lab with a person there to help you, sign up online for one of the **free workshops** at the Taylorsville-Redwood library:

<http://libweb.slcc.edu/services/forms/eportfolio>. You may also visit an **ePortfolio Lab** (in the Taylorsville-Redwood Library LIB 047 as well as in HTC 102a on the Jordan Campus) during business hours, and staff will help you without an appointment. Finally, questions regarding the ePortfolio can be directed to eportfolio@slcc.edu.

Exams

You will take a **Chapter Test** at the end of each chapter. These are online, timed exams that can be taken as many times as you need. They are accessed in MyMathLab. **There are strict due dates for completing these tests** (see schedule).

All of these tests are taken closed book, closed notes, and closed any help. You are on your honor to take the tests under these conditions. If you use your book, notes or help, YOU ARE CHEATING. Besides being dishonest if you do this, you are also cheating yourself out of preparing for the mid-terms and final which are proctored and are given under the same conditions. There are two parts to the mid-term and final. Part I is no calculator and on Part II, most graphing calculators are allowed. Calculators with a computer algebra system will not be allowed on any quizzes, exams or on the final exam. Prohibited calculators include the TI89, TI92, TI-Nspire, HP 48SX, HP 48GX, as well as other models and brands. Learning the trig functions and unit circle will enable you to remember the values without a calculator.

You have unlimited attempts on each test. You will be given **90 minutes** to complete each chapter test. ONCE YOU ACCESS A TEST, THE TIME STARTS AND YOU MUST COMPLETE IT. **WARNING: These tests should be completed without book, notes or other help. When you take a test you must have all other windows closed. If you fail to do this, it may cause your test to freeze so that you cannot complete it.**

Midterms and Final: You must also take **two proctored midterms and a final. You must receive at least 60% on the departmental final or you will receive a grade no higher than a "D"**. These exams will be administered through the SLCC Online Instructional Testing Center (ITC). The ITC has two locations: Taylorsville Redwood Campus, Construction Trades Building (basement floor), Room 070 and South City Campus (second floor), Room 2-187. Given the volume of final exams being administered, **you are required to make a seat reservation**. To make your reservation go to SLCC Online <http://www.slcc.edu/online/proctor.aspx>. On the Online Reservation Form you will need to designate which campus you wish to take your exam and the date and time you prefer. **Ensure you are reserving a seat only during the designated exam period your instructor has chosen for the specific exam** you are required to take. Failure to make a reservation may result in you missing the opportunity to take your exam.

Be sure to read over the information about the testing centers. You will need your SLCC College ID to take any exam, No Exceptions.

Note: A printable Parking Permit will be available on this website during Finals Week.

All testing supplies (except for graphing calculators) will be provided for you at check-in. Secure lockers are available to store cell phones, PDAs, books, study aids, etc. Only items approved by your instructor are permitted in the ITC.

For questions contact the Instructional Testing Center
(801) 957-4442

You are allowed 2 hours each for the mid-terms and for the final. EXCEEDING THIS TIME LIMIT WILL RESULT IN DISQUALIFYING YOUR TEST SCORE. If you do not turn your test in within the allotted time, you will receive a zero on the test (and therefore fail the class).

If you are not within commuting distance of the college, go to <http://www.slcc.edu/online/proctor.aspx#out> for information on obtaining a proctor. **Proctoring forms must be submitted to Distance Education Service Center by the second week of the semester.**

Midterm #1 will cover sections covered in Chapters 1 and 2 and the Midterm #2 will cover sections covered in Chapters 3 and 4. The midterms will be paper/pencil 20-25 question open answer exams (meaning that you show your work and it is not multiple choice). You will be allowed 2 hours to complete it. **Approved** graphing calculators may be used on the second part, but it is closed book and notes and you will need to know basic trig functions, identities and values without a calculator for the first part.

The FINAL is a departmental exam. You must have all of the Chapter Tests completed before you take the final. You will be allowed two hours to complete the final. An **approved** graphing calculator may be used. The final is also 2 parts, with the first part not allowing calculators.

Cheating Policy: Please see the student code. Copies are available in the Assessment Center.

Student Learning Outcomes

1. Student will understand important trigonometric concepts.
2. Student will acquire skills necessary for expressing concepts, ideas, and problem-solving techniques using correct mathematical notation and language.
3. Student will gain knowledge of mathematical theory and develop skills in logical thinking, leading to understanding of mathematical proofs.
4. Student will organize, present and explain solutions to problems involving real-world applications, both individually and through group work.
5. Student will have the necessary knowledge and skills to succeed in a calculus course.

Getting Help

The PowerPoint Lectures and HW Example Video Clips were made by your instructor to teach you the material for the section. **Don't bypass these materials---**they will help you learn the material and have success working on homework.

There are many resources within MyMathLab that you can use for additional help such as the Help My Solve This and View an Example buttons. If you are struggling with something, and need more help, you can click on the "Ask My Instructor" button on the right and it will send me the problem you are working on as well as your answer. This is good if you think your answer is correct but the computer doesn't agree. Your instructor can over-rule the computer if you are indeed also correct. (Sometimes there are different forms and while most are programmed in the computer, it is after all just a programmed machine so your instructor can be the "human" element in this).

Pearson Education tutors provide **FREE** personal tutorial instruction for examples and exercises. Qualified college instructors are there to provide this tutorial Support. This support is accessed while in the MyMathLab course under Pearson Tutor Services.

There is also free tutoring available in the Learning Centers (phone 801-957-4172) at Redwood TB-213 and LIB 044, South 3-174 (phone 801-957-3261), and Jordan Rm. HTB 102 (phone 801-957-2852). A list of private tutors who may be hired is available in the Learning Centers. The internet is full of resources that could be used for this class. You are encouraged to explore. Individualized and small group tutoring is available (and free) to students through **Focused Tutoring**. Students need to apply to be matched with a tutor for the semester. Tutoring can be arranged at other campuses depending on tutor and student schedules. Contact Jennifer Fasy for more information (Jennifer.fasy@slcc.edu; 801-957-4138).

Grading

HOMEWORK EXERCISES (in MyMathLab)	15%
SECTION QUIZZES (in MyMathLab)	5%
PARTICIPATION (Discussion Board & Identity Worksheet)	3%
SIGNATURE PROJECT	4%
E-PORTFOLIO UPLOAD AND REFLECTION	3%
CHAPTER TESTS (in MyMathLab)	5%
MID-TERM #1 (Proctored at the Assessment Center)	20%
MID-TERM #2 (Proctored at the Assessment Center)	20%
FINAL (Proctored at the Assessment Center)	25%*

***It is math department policy that students who do not get at least 60% on the departmental final will receive a grade no higher than a "D".**

Grades will be given out on the following merit system:

A 93-100%	C 73-76%
A- 90-92%	C- 70-72%
B+ 87-89%	D+ 67-69%
B 83-86%	D 63-66%
B- 80-82%	D- 55-62%
C+ 77-79%	E Below 55%

An incomplete grade cannot be given simply because you didn't complete the course on time. The college policy on incomplete grades will be followed (see college catalog for further info). You **MUST** complete the course according to semester dates given in this syllabus.

Course Schedule

Refer to the course calendar for due dates for homework assignments, quizzes and tests. I recommend that you **print this schedule out** and post it somewhere for easy reference

It is extremely important that you keep with the schedule. In an online course it is easy to procrastinate. I suggest that you set aside time each day to work on the course so that you can remain on schedule and get things done by the due date. If you get behind, it's extremely hard to catch up. If you know you will be gone or extra busy---get **AHEAD** of schedule. The due dates are firm but there is nothing wrong with working ahead of the due dates (and in fact it is recommended).

ADA Statement

Students with medical, psychological, learning or other disabilities desiring accommodations or services under ADA must contact the Disability Resource Center (DRC). The DRC determines eligibility for and authorizes the provision of these accommodations and services for the college." Please contact the DRC at the Student Center, Suite 244, Redwood Campus, 4600 So. Redwood Rd, 84123. Phone: (801) 957-4659, TTY: 957-4646, Fax: 957-4947 or by email: linda.bennett@slcc.edu

[Audio recording of ADA statement](#)

Student Code of Conduct

All students at SLCC must comply with the Student Code of Conduct:

http://www.slcc.edu/policies/docs/Student_Code_of_Conduct.pdf. In particular, note the Academic Standards on pages 41 and 42 with regards to cheating, misrepresentation, out-of-class work, and plagiarism. In compliance with this document, a student who is academically dishonest will receive an E for this course. Also note the Disorderly Conduct sections.

Academic Advising

Academic advising is available to assist with the following:

- Creating an educational plan and/or to set up a class schedule
- Identify the courses needed toward graduation
- Obtain transfer information
- Review academic progress

For specific questions regarding math courses and programs in the School of Science, Math and Engineering contact:

Academic Advisor: **Devan Church**

Phone: 801-957-4858

E-mail: Devan.church@slcc.edu

Congratulations for making it all the way to the end of this syllabus. If you have any questions or issues and are not yet in MyMathLab, send your instructor an email.