

Math 111 - Trigonometry

Course Policy – Fall 2017

Required Materials:

Textbook: Trigonometry, A Unit Circle Approach by Sullivan, 10th Edition, Pearson
Pearson's MyLab and Mastering access code for the textbook (purchased through D2L or at the UA bookstore)
Graphing calculator (see below for specific details).

Main websites: <http://d2l.arizona.edu>
<http://math.arizona.edu/~trig/>
<http://thinktank.arizona.edu/>

Catalog Course Description

Topics include right triangle trigonometry, trigonometric functions and graphs, trig identities, inverse trig functions, law of sines, and law of cosines. This course is not applicable to the mathematics major or minor. Except as per University policy on repeating a course, credit will not be given for this course if the student has credit in a higher level math course. Such students may be dropped from the course. Examinations are proctored.

Course Structure

Math 111 is a 2 credit hour lecture course. Students will meet in person two days per week except when there are no class meetings due to University holidays.

Course Prerequisites

Appropriate Math Placement Level on Proctored/Prep for Calculus 50%+ or Proctored/Prep for College Algebra 65%+ or MATH 112 credit.

Course Objectives

- To help students obtain basic trigonometric concepts by way of an integrated approach.
- To promote problem-solving and critical thinking skills through the application of trigonometric concepts to common situations.
- To enhance learning and understanding of trigonometric concepts through the integrated use of graphing calculators.
- To promote and utilize the "Rule of Four": All concepts are explored algebraically, numerically, graphically and in context with applications.

Communication with Students

Announcements and important course information may be sent out via official University email or through D2L. It is the student's responsibility to check for messages and announcements regularly.

Accessibility and Accommodations

It is the University's goal that learning experiences be as accessible as possible. If you anticipate or experience physical or academic barriers based on disability or pregnancy, please meet with your instructor to discuss ways to ensure your full participation in the course. If you determine that formal, disability-related accommodations are necessary, it is very important that you be registered with Disability Resources (621-3268; drc.arizona.edu) and notify your instructor of your eligibility for reasonable accommodations. You will then be able to work with your instructor to plan how best to coordinate your accommodations. Please be aware that the accessible table and chairs in the classroom should remain available for students who find that standard classroom seating is not usable.

Attendance/Administrative Drops

Daily attendance is expected from every student. Students who miss the first class meeting will be administratively dropped unless they have made other arrangements. In addition, students with more than 3 unexcused absences may be administratively dropped from the course. (See Administrative Drop Policy at <http://catalog.arizona.edu/policy/class-attendance-participation-and-administrative-drop>) If you need to miss class for unavoidable circumstances, see your instructor as soon as possible.

- All holidays or special events observed by organized religions will be honored for those students who show affiliation with that particular religion.
- Absences pre-approved by the UA Dean of Students (or Dean's designee) will be honored.

It is the student's responsibility to notify the instructor in advance of an absence related to religious observation or an activity for which a Dean's excuse has been granted, and to arrange for how any missed work will be handled.

Academic Integrity

Students are responsible to inform themselves of University policies regarding the Code of Academic Integrity. Students found to be in violation of the Code are subject to penalties ranging from a loss of credit for work involved to a grade of E in the course, and risk possible suspension or probation. The Code of Academic Integrity will be enforced in all areas of the course, including, but not limited to, homework, quizzes, and tests. For more information about the Code of Academic Integrity policies and procedures, including information about your rights and responsibilities as a student, see the following website:

<http://deanofstudents.arizona.edu/academic-integrity/students/academic-integrity>

Student Code of Conduct

Students at The University of Arizona are expected to conform to the standards of conduct established in the Student Code of Conduct. Prohibited conduct includes:

1. All forms of student academic dishonesty, including cheating, fabrication, facilitating academic dishonesty, and plagiarism.
2. Interfering with University or University-sponsored activities, including but not limited to classroom related activities, studying, teaching, research, intellectual or creative endeavor, administration, service or the provision of communication, computing or emergency services.
3. Endangering, threatening, or causing physical harm to any member of the University community or to oneself or causing reasonable apprehension of such harm.
4. Engaging in harassment or unlawful discriminatory activities on the basis of age, ethnicity, gender, handicapping condition, national origin, race, religion, sexual orientation, or veteran status, or violating University rules governing harassment or discrimination.

Students found to be in violation of the Student Code of Conduct are subject to disciplinary action. For more information about the Student Code of Conduct, including a complete list of prohibited conduct, see the following website:

<http://deanofstudents.arizona.edu/accountability/students/student-accountability>

Other Relevant University Policies Relating to Conduct

Please take note of the following University policies:

- Policy on Threatening Behavior by Students: <http://policy.web.arizona.edu/education-and-student-affairs/threatening-behavior-students>
- Nondiscrimination and Anti-Harassment Policy: <http://policy.arizona.edu/human-resources/nondiscrimination-and-anti-harassment-policy>

Expected Classroom Behavior

Students should turn off all electronic devices during class unless the device is deemed necessary for the class by the instructor. This includes, but is not limited to cell phones, tablets, mp3 players, and laptops. If you have a disability-related accommodation that involves the use of a computer during class, please discuss this with your instructor in advance.

Calculators

A graphing calculator (TI-83 or 84) is required for this course. Calculators that perform symbolic manipulations (such as the TI-89 or TI-92 or certain TI-Nspire CAS) cannot be used.

Pearson's MyLab and Mastering (MML)

The course textbook and several graded components for Math 111 are found in Pearson's My Lab and Mastering MyMathLab (MML) and should be accessed through the University of Arizona's D2L website (<http://d2l.arizona.edu>). Students will need to purchase access to MyMathLab. This can be done by one of the following two methods:

1. Purchase access using a credit card or PayPal account.
2. Purchase an access code from the University of Arizona bookstore.

Students may only **register for MyMathLab** by enrolling through <http://d2l.arizona.edu>. When registering for MyMathLab, students will need to enter a valid email address and password. If you have previously used a MyMathLab (or other My Labs) product, you should use your previous login credentials. If you have not used a MyMathLab product before, you are **STRONGLY** encouraged to use your University of Arizona email address.

Grades

Final Exam	150 points (30%)
Midterm Test #1	100 points (20%)
Midterm Test #2	100 points (20%)
Quizzes	50 points (10%)
WA	50 points (10%)
MML Homework	50 points (10%)
Total possible points	500 points

You are guaranteed a grade of:

- A, if you earn at least 450 points (90%)
- B, if you earn at least 400 points (80%)
- C, if you earn at least 350 points (70%)
- D, if you earn at least 300 points (60%)

Please note that neither exam scores nor final grades will be curved. No extra credit or bonus points are offered in this course.

A grade of Incomplete will be given only at the instructor's discretion, according to University Policy as described at <http://www.registrar.arizona.edu/gradepolicy/incomplete.htm>

Final Exam

The comprehensive Final Exam will be given on **Thursday, December 14th 2017**, from **1:00 PM – 3:00 PM**. Please put this date in your calendar immediately. The location of the final exam will be posted on the Trigonometry website and will be announced by your instructor. There will be no calculators allowed on the final exam

A study guide for the final exam will be posted as a PDF document on the Trigonometry website.

Please note the following:

- University rules relating to final examinations may be found at: <http://registrar.arizona.edu/courses/final-examination-regulations-and-information?audience=students&cat1=10&cat2=31>
- The University final exam schedule may be found at: <http://www.registrar.arizona.edu/students/courses/final-exams>

Missed Final Exam

Students who are unable to attend the scheduled final exam for a **LEGITIMATE** reason should also notify their instructor. Failure to submit the request for a make-up exam may result in the request being denied or the student receiving a penalty on the exam.

Only legitimate reasons will be considered for make-up exams. Legitimate reasons include UA class conflicts, Dean's excuses, religious holiday's recognized by the University, and verifiable emergencies. University related events without a Dean's excuse will generally not be considered as an exam conflict (e.g., club meeting or club dinner).

Midterm Exams (Test #1 and Test #2)

There will be two midterm exams worth 100 points each. The first exam, will be given on **October 9th** and the second will be given **November 15th**.

Issues related to the grade received on the exam need to be discussed within 1 week of the exam being graded.

Missed Midterm Exams: Students are expected to be present for all exams. If a verifiable emergency arises which prevents you from taking an in-class exam at the regularly scheduled time, you must notify your instructor as soon as possible, and in any case, prior to the next regularly scheduled class. Make-up exams will be administered only at the discretion of the instructor. If a student is allowed to make up a missed exam, he/she must take it at a mutually arranged time. No further opportunities will be extended. Failure to contact your instructor as stated above or inability to produce sufficient evidence of a real emergency will result in a grade of zero on the exam.

Quizzes

There will be 5 in-class quizzes throughout the semester (see 111 Course Calendar in D2L for specific dates) totaling 10% of your grade in this course. Each quiz will take approximately 10 minutes. A Quiz Practice assignment can be found in D2L to help you prepare for these quizzes. It is the student's responsibility to notify the instructor in advance of an absence related to religious observation or an activity for which a Dean's excuse has been granted, and to arrange for how any missed quiz will be handled. If a verifiable emergency should arise preventing you from taking a quiz, inform your instructor as soon as possible so arrangements can be made.

Written Assignments (WA)

There will be eleven Written Assignments (WA) throughout the semester (see 111 Course Calendar in D2L for specific due dates) totaling 10% of your grade. Each assignment may take up to 90 minutes to complete and can be found in D2L. You are encouraged to

attend office hours and/or Think Tank tutoring (<http://thinktank.arizona.edu/>) to get help on any concept you do not fully understand. At the end of the semester the lowest 1 assignment may be dropped. It is the student's responsibility to notify the instructor in advance of an absence related to religious observation or an activity for which a Dean's excuse has been granted, and to arrange for how any missed work will be handled. If you must turn in your assignment late, you may submit it to your instructor by the next class meeting for a 20% deduction.

Pearson's MyLab and Mastering (MML Assignments)

Practice exercises will be assigned for each section of the textbook that is covered in class for you to complete electronically on Pearson's MyLab and Mastering website via D2L. These MML assignments total 10% of your grade. These problems must be completed according to their due date (see 111 Course Calendar in D2L for specific due dates). Extensions will not usually be granted. You are encouraged to keep an organized notebook for each MML assignment which can be utilized as reference for WA's, not to mention studying for tests and quizzes. It is recommended that you complete your MML assignments as soon as possible and not wait until the due date. You will have 3 chances to correctly answer the problems on the MML assignments, so you are encouraged to get 100% on every MML assignment. Each MML assignment is expected to take 60 – 90 minutes. At the end of the semester, the lowest 2 assignments may be dropped.

Withdrawal

A student may withdraw from the course with a deletion from record through September 4th, 2017, using UAccess. A student may withdraw with a grade of "W" through October 29th, 2017, using UAccess.

Using Math 111 as a Prerequisite for Other Courses

The Undergraduate Committee of the Department of Mathematics has adopted a policy that Math 111 cannot be used as a prerequisite for Math 122A/B (Calculus I). This policy took effect in the Fall 2017 semester. Students who receive a D in Math 111 will receive credit for the course towards graduation requirements, but will not be automatically qualified to register for Math 122 A/B. Students may always exercise the option of taking the math placement test to achieve placement into Math 122 A/B

Tentative Schedule for Math 111

Please see the 111 Course Calendar for specific assignment and test dates in your instructor's D2L site.

Week of:

Aug 21 Intro, 2.1
Aug 28 2.2, Quiz #1
Sept 4 2.2
Sept 11 2.2, 2.3, Quiz #2
Sept 18 2.3, 2.4
Sept 25 2.4, 2.6
Oct 2 2.6, Review
Oct 9 2.6, Test #1
Oct 16 2.5, 3.1
Oct 23 3.2, 3.4
Oct 30 3.5, 3.6, Quiz #3
Nov 6 3.3, 3.5, 3.6, Quiz #4
Nov 13 Review, Test #2
Nov 20 4.1, 4.2
Nov 27 4.2, 4.3, Quiz #5
Dec 4 4.3, Review for Final Exam

Changes to the Course Policies

The information contained in the course policies, other than the grade and absence policies, may be subject to change with reasonable advance notice, as deemed appropriate by the instructor.