

Syllabus

Course: MATH 1213: Trigonometry
Term: Summer I, 2014
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Course Objectives

Upon successful completion of this course students should exhibit mastery of certain knowledge and basic skills. These skills include, but are not limited to:

1. Analyzing and classifying angles, converting among different units of measurement, and measuring arc length;
2. Defining, applying, and finding the exact values of the six trigonometric functions;
3. Graphing the six trigonometric functions by hand;
4. Verifying and applying trigonometric identities and solving trigonometric equations;
5. Defining, using, and applying inverse trigonometric functions;
6. Defining, using, and applying the Law of Sines and Law of Cosines;
7. Converting between rectangular and polar coordinates and graphing equations in polar coordinates.

Prerequisites

MATH 1203 or MATH 1204 with a grade of C or better, or a score of at least 80% on the University of Arkansas Mastery of Algebra Exam, or a score of at least 26 on the math component of the ACT exam, or a score of at least 600 on the math component of the SAT.

Text

Algebra and Trigonometry by R. Blitzer, 4th Edition (Pearson). We will cover most of chapters 5, 6, 7, and 4 (in that order), with some review material from chapters P, 1, and 2 as needed. **Note:** A digital copy of the text is included in the MyLabsPlus subscription. **YOU DO NOT NEED TO PURCHASE A BOOK SEPARATELY** unless you want the print version.

Required Software

MYLABSPPLUS software (abbreviated MLP below). How To Access MLP:

1. Go to the URL: <http://uark.bb.mylabsplus.com>
2. Find and click the “Forgot your password?” link.
3. Enter in the first part of your uark email address in the box labeled “User ID:” (e.g., if your email is mathstudent@uark.edu, you would enter “mathstudent”)
4. Check your email for a message with subject “Password Reset Information” from [PasswordReset@ResetCredentials.com](mailto>PasswordReset@ResetCredentials.com), and follow the directions in the email.

Problems with the Software

If your login fails, please check that you typed in the correct web address for MLP: uark.bb.mylabsplus.com. Be sure that your browser will support the MLP software (e.g., be sure to run the Browser Check once you get started). On campus assistance is available in the MRTC located on the second floor of SCEN. From time to time, you may receive messages that your session has timed out. This is often due to the cookies downloaded to your computer from the MLP website. To resolve this issue, either delete the cookies from your computer or try logging in with a different browser (Chrome, Firefox, Safari, etc.)

Free Tutoring

The MRTC tutoring labs in SCEN 209, 211, and 212 may be used anytime during open hours. Additional tutoring may be found at the Enhanced Learning Center in Gregson Hall. (See <http://www.elc.uark.edu> for details.)

Grading

Final grades will be based on performance on assignments of four types: homework, quizzes, group activities, and tests.

1. **Homework (90 points total):** Homework assignments will be worked on MLP, and can be done from anywhere. There will also be a review assignment for each test. **You must have the REVIEW ASSIGNMENT completed at 90% to be allowed to take the corresponding test.** There are 24 homework assignments worth 3 points each and three test reviews worth 6 points each.
2. **Quizzes (100 points total):** Quizzes will be worked on MLP, and can be done from anywhere. There are 5 quizzes, worth 20 points each. Each quiz covers concepts from one or more homework assignments. You have three opportunities to take each quiz. You must read the Official Course Syllabus and the Testing Center Guidelines and make 100% on the Course Entry Quiz before you begin working on any of the assignments.
3. **Group Activities (100 points total):** Group activities will be worked on paper and in class. There will be 12 group activities, worth 10 points each.
4. **Tests (450 points total):** Tests will be worked on paper and **must** be done in the Testing Center (SCEN 203). There will be three tests, worth 150 points each. Each test is 70 minutes long. The tests are tentatively scheduled for June 5, June 17, and June 27. **The Testing Center hours are posted at mrhc.uark.edu; it is your responsibility to know when the testing center is open.**

Letter grades will be given as follows: 90% and above is an A, from 80% to (not including) 90% is a B, from 70% to (not including) 80% is a C, from 60% to (not including) 70% is a D, and below 60% is an F. I reserve the right to adjust these thresholds down at my discretion.

Attendance

I do not give points just for showing up. However, we will be moving **very** quickly and will frequently work on graded assignments in class. Trigonometry is difficult enough for a 16 week semester, and we will cram it into 5 weeks. I strongly recommend you come to class every day.

Calculators

- **On exams:** You will be allowed to use a TI-30xIIs calculator on exams, which we will provide. This is a scientific, non-graphing, non-pretty-printing calculator. No other calculator is permitted on exams. You will be responsible for knowing how to use this calculator before coming in to take an exam.
- **In class:** Any calculator you want to use in class is fine, bearing in mind that only the TI-30xIIs is allowed on exams.

ACADEMIC HONESTY POLICY

As a core part of its mission, the University of Arkansas provides students with the opportunity to further their educational goals through programs of study and research in an environment that promotes freedom of inquiry and academic responsibility. Accomplishing this mission is only possible when intellectual honesty and individual integrity prevail.

Each University of Arkansas student is required to be familiar with and abide by the University's Academic Integrity Policy which may be found at <http://provost.uark.edu/> Students with questions about how these policies apply to a particular course or assignment should immediately contact their instructor.

Disclaimer

I RESERVE THE RIGHT TO MAKE CHANGES TO THE SYLLABUS DURING THE SEMESTER. If changes are made, you will be notified of the changes in class, it will be posted on the MyLabsPlus homepage, and/or an email will be sent to your University email address. It is your responsibility to check your email regularly and to check for postings in the MLP course page.