

SCHOOL OF MATHEMATICAL & NATURAL SCIENCES SYLLABUS

MATH 1033, TRIGONOMETRY

Fall, 2007

Note: This course fulfills specific General Education requirements.

Instructor

Dr. F. Abedi

Office

Science Center A 9

Office Hours

MWF 9:00- 10:00 AM , TTH: 9:00 - 11:00 AM
& 2:00-3:00 PM and by appointment

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REQUIRED TEXT & MATERIAL: Text: *College Trigonometry*; 5th edition by Aufmann, Barker, and Nation.

Calculator: A graphing calculator such as a TI-83, TI-83 plus, TI-84 or TI-89

COREQUISITE: MATH 1043, College Algebra. This means that you must either be currently enrolled in College Algebra or have completed this course with a grade of C or higher.

COURSE OVERVIEW: Trigonometry has its origins in the study of triangle measurement. The course will begin with the basic concepts of angles and their measurement, define the six trigonometric functions, and then consider fundamental applications of trigonometry. While the course does include specific techniques and information, the focus of the course is on the central concepts of trigonometry and problem solving.

COURSE CONTENT & SCHEDULE OUTLINE: The following dates are **tentative** and will be revised as necessary.

Chapter	Topic	Exam Dates
1.2, 1.3, 1.6	Review of Algebra	
2.1 - 2.3	Introduction to Trigonometry	Test 1 : September 13
2.4 - 2.7	Properties and Graphs of Trigonometric Functions	Test 2: September 27
3.1 - 3.3	Analytic Trigonometry	Test 3: October 18
3.5, 3.6 4.1, 4.2	Trigonometric Equations Applications of Trigonometric Functions	Test 4: November 8
4.3, 5.2, 5.3, 6.5	Vectors. Trigonometric Form of a Complex Number, Polar Coordinates	Test 5: December 4

GRADING: There are three components to your grade: quizzes/homework, tests, and the final examination. Tests are announced in advance and cover those topics presented in the text & lecture. The final examination is comprehensive. Grades are determined in the following manner:

Quizzes/Homework	Regular Tests	Final Examination
100 points	500 points	100 points

Grades are assigned on the following basis:

A 90-100%, B 80-89%, C 70-79%, D 60-69%, F below 60%

SPECIAL POLICIES:

1. There are no make-up quizzes.
2. If one test is missed then the percentage grade on the final examination will be substituted for that test grade. If two or more tests are missed then a grade of zero will be given on each missed test other than the first.
3. If no tests are missed and the percentage grade on the final examination is greater than the lowest test grade then the final examination percentage grade will be substituted for the lowest test grade.
4. Cheating and plagiarism are unacceptable activities and a grade of zero will be given for any case of verified cheating. In addition, all occurrences will be reported to the Vice Chancellor for Academic Affairs for possible other actions.
5. You are expected to attend all class meetings and you are responsible for the material covered in these meetings. If you miss as many as 4 classes then you may be withdrawn from the course, possibly with a failing grade. Normally your attendance will be recorded based upon your submission of quizzes.

EXPECTATIONS OF THE STUDENT: While this course is not particularly difficult for those who make a commitment to work on the course, it does require a commitment of time and energy. The pace of the course is fairly rapid and it is necessary for you not only to attend class but to seriously attempt the homework, review recent lectures, and preview material to be discussed at the next lecture. You should schedule at least two hours of study time for each hour of lecture. Normally you will need this time to complete your homework assignment. In addition, **you should read the material for the next lecture prior to the class.** You must also make a commitment to attend every class meeting and to work all homework assignments. While working homework, you should focus on understanding the basic principles presented rather than simply mimicking procedures. Remember: No one can learn the material for you. Homework must be done on separate sheet of paper with your name and date clearly marked on the top.

IMPORTANT DATES:

Wednesday, August 22	First day of classes.
Tuesday, August 28	Last day to register or add classes.
Monday, September 3	Labor Day Holiday.
Friday, October 6	Deadline to file for May graduation.
Monday, November 5	Preregistration for spring begins
Wednesday, November 7	Last day to drop with W.
Friday, November 16	Preregistration for spring ends.
Wednesday, November 21-Friday, November 23	Thanksgiving Holiday
Tuesday, December 4	Last day to withdraw from class.
Friday, December 7	Last day of classes.
Monday, December 10 - Friday, December 14	Final exam period.
Friday, December 14, 8:00 - 10:00 AM	Final Exam

Students with Disabilities: It is the policy of the University of Arkansas-Monticello to accommodate individuals with disabilities pursuant to federal law and the University's commitment to equal educational opportunities. It is the responsibility of the student to inform the instructor of any necessary accommodations at the beginning of the course. Any student requiring accommodations should contact the Office of Special Student Services located in Room 120 of Harris Hall, phone 870-460-1026; TDD 870-460-1626; fax 870-460-1926.

The following action is prohibited under the Student Conduct Code:

Disorderly Conduct: Any behavior which disrupts the regular or normal functions of the University community, including behavior which breaches the peace or violates the rights of others.

UAM will no longer mail grade reports to all students. You may access your grades through Campus Connect on the UAM homepage, <http://www.uamont.edu/>. To have your grades mailed to you, complete the grade request form available in the Registrar's Office in Monticello or the Student Services offices in Crossett and McGehee.

Some rules and additional information about this course.

1. All homework must be done on a separate sheet(s) of paper with the section number and the name printed on the top of the page.
The problems must be written clearly and you should show your work(not just answers).
2. It would be helpful for you to work additional problems from review and test sections.

You might get additional points for this as well.

Required Homework Assignments for MATH 1033. Fall 2007

Section	Problems
1.2	5, 7, 18, 20, 22, 25, 30, 39, 42, 50, 52, 58, 62, 63, 67, 68, 73
1.3	4, 9, 11, 16, 18, 29, 32, 33, 38, 39, 40, 53, 55,57-59,66, 69,71
1.6	1, 2, 4, 7, 9, 11, 12, 17, 18, 22, 24, 29, 32, 39, 49,53,57
2.1A	1, 4, 6, 9, 11, 13, 14, 16, 20, 23, 26, 29, 30, 31, 32, 34, 38, 41, 42, 43,45, 50,51
2.1B	56, 57, 60, 61, 63, 64, 65, 66, 69, 70, 72, 73, 75,78,81
2.2	1 - 5, 15, 16, 18, 20, 22, 25, 27, 30, 33, 37, 40, 43,49, 51, 54,57, 60, 67, 68, 71
2.3	1, 3, 4, 8, 10, 13, 14, 15, 16, 22, 23, 27, 29, 32, 33, 37 - 46, 49, 51, 54, 62, 74,78
	TEST 1
2.4	13 - 22, 23, 24, 25, 28, 32, 42, 43, 49 - 53, 61-65, 71, 83, 84, 87
2.5	2 - 6, 13, 14, 15, 17, 20, 23, 28, 35, 38, 43, 57, 58, 61, 62
2.6	1 - 10, 12, 14, 23,26,27, 34, 40, 49, 50
2.7	1 - 5, 9 - 13, 17, 19, 21, 24, 25, 28, 30, 33 - 36, 44, 45, 57, 58
	TEST 2
3.1	1, 3, 4, 10, 11 - 14, 17, 19, 21, 25, 26, 29, 30, 37, 48, 50
3.2	1, 3, 6, 9, 13 - 18, 19, 21, 22, 24, 27, 28, 33, 34, 36, 37, 40(a), 43(c), 49, 52, 54, 61
3.3	1, 3, 4, 7, 10, 11, 14, 15, 25, 27, 29, 30, 33, 37 - 40, 42, 45, 48, 53, 55
	TEST 3
3.5	1 - 6, 13, 14, 16, 17, 18, 25 - 28, 32, 36, 40, 48
3.6	1 - 6, 8, 12, 13, 16, 20, 21, 24, 25, 29, 38, 41, 44, 47, 48, 66, 68, 71, 72
4.1	2, 5, 9, 10, 12, 13, 16,17, 20, 24, 27,30, 32, 36,40,41
4.2	2, 5, 10, 15, 17, 20, 22, 27, 30, 35, 44,45,49,53,56,59
	TEST 4
4.3	2, 5, 7, 12, 14, 16, 18, 22, 32, 34, 35, 38, 41, 44,46, 48, 59,61,64,65
5.2	3 - 6,10, 11, 14, 18, 21, 28, 30, 40, 41, 44, 48, 54, 55, 57
5.3	2, 5, 8, 13, 15, 18, 21, 23, 30, 35,37
6.5	1, 2, 6, 7, 9 - 13, 41, 42, 46, 49, 50, 53, 54, 63, 66,67
	TEST 5