Course Syllabus

Instructor: Alan Sola
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Office Hours: Tuesdays & Thursdays 10 a.m.-noon.

Meeting day and time: Tuesdays & Thursdays 12:30-1:45 p.m.
Location: 422 Mathematical Sciences
Required text: *Analytic Trigonometry with Applications (9th Ed.)* by R.A. Barnett, M.R. Ziegler, and K.E. Byleen. John Wiley & Sons, Inc. 2006.

OSU Catalog Description

MATH 1613 (A) Trigonometry. Prerequisite(s): 1513 or equivalent, or concurrent enrollment. Trigonometric functions, logarithms, solution of triangles and applications to physical sciences. No credit for those with prior credit in 1715 or any course for which 1613 is a prerequisite.

Examinations

I will give three one hour examinations, so-called Midterms, with a maximum possible score of 100 points each, and a 100 point comprehensive Final Examination, which will be recorded twice, during Finals' Week. I will give make-up examinations only in the case of **very serious and unavoidable conflicts**, and **only** if a request for a make-up examination is approved in advance. You must also present proof of the reasons for your absence. If these conditions are not satisfied, it is understood that the opportunity to present a make-up examination is voided.

Homework

Eleven written homework assignments will be collected on dates specified in the Course Schedule. Homework must be turned in during class on the date it is due; you must be present for the entire session to turn in homework. The staff in the mathematics office has been instructed not to accept homework papers. I will accept **no late homework**.

Written homework assignments must meet certain requirements in order to be graded:

- Your name must be prominently displayed on each page.

- Textbook page and problem number must be prominently displayed.

- Problems are to be submitted in the order in which they were assigned.

- Sheets must be stapled together and your writing must be legible.

- You must show all work to receive credit.

If these conditions are not met, I will not evaluate your work; it will be returned to you with the assigned score of 0.

I will post homework assignments on the course webpage. Each homework assignment carries a maximum score of 10 points, and thus a total score of 110 points is possible. However, your homework grade will not exceed 100 points.

Attendance

Class attendance, and more importantly active participation, is an essential element in learning trigonometry. I expect you to actively participate in each class session. The Class Attendance Score of a maximum of 100 points is an optional score achieved by your regular attendance at class sessions. Experience suggests a strong correlation between good attendance (including participation) and good course results.

Your Attendance Score is determined by your total number of absences during class sessions. Attendance will be taken at each session and you must be present for the entire class in order to be counted. For each absence, 4 points will be deducted from the maximum of 100 points. Note that I may determine that you are *de facto* absent if I find you sleeping through class, texting, or surfing the internet.

Signing the Attendance Sheet for another student is **not permitted**. Failure to respect this will lead to the employment of the appropriate University policies regarding Academic Integrity.

I will communicate any changes to this syllabus to you in class.

Calculators

The course requires a scientific calculator that is capable of evaluating the standard trigonometric functions (such as sine, cosine, and tangent) and their inverses, in both degrees and radians. Graphic calculators are not required and **will not be permitted** during examinations.

Grading

I will base your final grade for the course on the following scheme.

	Maximum Points		Grade	Points Needed
Homework	100			
Midterm 1	100		A	540-600
Midterm 2	100		B	480-539
Midterm 3	100		C	420-479
Final	100		D	360-419
Final	100		F	0-359
Total	600			

I reserve the right to use some discretion in borderline cases. Final grades will not be curved.

Your class attendance record will be reported along with your course grade. I will use your Attendance Score (100 points maximum) to replace any one of the three Midterms scores or one of the two Final Examination scores provided it improves your letter grade and you earned at least one passing grade on these assessments. I will not use the Attendance Score to replace a homework score.

Help

I really encourage you to see me during my office hours; further consultations will be possible by appointment.

It is often helpful to discuss the course material with other students, and to try to explain difficult concepts to each other. Note, however, that any work you submit **must be your own**, as per OSU Academic Integrity policy. Further help is available from through the **Mathematics Learning Resource Center (MLRC)**, see **http://www.math.okstate.edu/mlrc/**. The Center is an invaluable resource to support your mathematical learning and I encourage you to go there regularly. Please visit the MLRC webpage for up-to-date information on Trigonometry tutoring hours for Fall 2010.

The MLRC is located on the fourth floor of the Classroom building; please check in for tutoring in 420 CLB.

Feedback

I would greatly appreciate your feedback, whether communicated in class, during office hours, or via email.

Course Schedule

Tuesday 8/24	1.1, Appendix 3
Thursday 8/26	1.2, 1.3
Tuesday 8/31	1.4
Thursday 9/2	Review of chapter 1.
	Homework 1 due.
Tuesday 9/7	2.1, 2.2
Thursday 9/9	2.3, 2.4
	Homework 2 due.
Tuesday 9/14	2.5
Thursday 9/16	Review of chapter 2.
	Homework 3 due.
Tuesday 9/21	Midterm review.

Thursday 9/23	Midterm 1

Tuesday 9/28	3.1, 3.2
Thursday 9/30	3.3, 3.4
	Homework 4 due.
Tuesday 10/5	3.5, 3.6
Thursday 10/7	Review of chapter 3.
	Homework 5 due.
Tuesday 10/12	4.1, 4.2
Thursday 10/14	4.3, 4.4
	Homework 6 due.
Tuesday 10/19	4.5
Thursday 10/21	Review of chapter 4.
	Homework 7 due.
Tuesday 10/26	Midterm review.

Thursday 10/28	Midterm 2.

Tuesday 11/2	5.1, 5.3
Thursday 11/4	5.4, Review of Chapter 5.
	Homework 8 due.
Tuesday 11/9	6.1, 6.2
Thursday 11/11	6.3, 6.4
	Homework 9 due.
Tuesday 11/16	6.5, 6.6
Thursday 11/ 18	Review of Chapter 6.
	Homework 10 due.
Tuesday 11/23	Midterm review.

Tuesday 11/30	Midterm 3.

Thursday 12/2	7.1, 7.2. Homework 11 due.
Tuesday 12/7	7.3.
Thursday 12/9	Course review.

12/14	Final exam.

This is a preliminary schedule that may change as the term progresses. I will let you know about any substantial deviations from this schedule in class.

University-wide Policy

The policies stated herein are specific to this class. For the full OSU guidelines on matters such as withdrawal from courses, academic integrity and student disabilities, please refer to the University Syllabus Attachment, to be found at **http://osu.okstate.edu/acadaffr/aa/syllabusattachment-Fall.htm** .

Please review the Syllabus Attachment carefully.