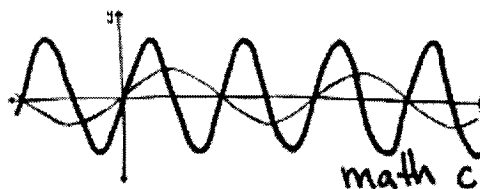


::math c:: syllabus



course: mat-c (fall 2008)

instructor: Ezra Gouvea

title: trigonometry

website: <http://math.ucdavis.edu/~ezrag/c>

meeting: TR 2:10--3:00 P (phygeo 148)

email: ezrag@math.ucdavis.edu

crn: 69425

office hour (in msb 2127): W 12--1
or by appt.

Welcome to trigonometry at UC Davis! If you find yourself falling behind (or, better yet, before you fall behind), you may need to take a new approach to learning. You might want to try to:

- **read the book**---(especially if you feel lost during the lecture) try reading the relevant section (check the [tentative lecture schedule](#)) before you come to class, after class, while you're doing homework, etc. (reading math is not like reading some other subjects---you must concentrate on what the author is saying, and it's perfectly normal to have to read a passage three, five, or ten times);
- **participate in lecture**---try to follow along and ask questions when something doesn't make sense;
- **find a study group**---reading the book will be easier if you have a study buddy to help cure your apathy and confusion;
- **come to office hours**---I am here to help (also, this might be a good place to start looking for a study group); and
- **do your homework**---it will help.

Overview

The textbook is Larson and Hostetler's *Trigonometry* (7th edition). We will be studying trig functions and their graphs, trig identities, sum and difference formulas, vectors, and complex numbers.

There will a midterm, a final exam, and ten [homework assignments](#). You are encouraged to work together on homework; but all work that you turn in must be written by you, and you must understand it well enough to reproduce on your own. Of course, no form of group work is allowed during the exams.

The homework assignments will be given in class, and posted on the website at

<http://www.math.ucdavis.edu/~ezrag/c/hw.html>.

	::grading::
homework50%
midterm20%
final30%

Resources

- The Learning Skills Center offers free academic assistance to all UC Davis students.
<http://www.lsc.ucdavis.edu/>
 - They even offer drop-in tutoring. I used to get a lot of help from my drop-in center.
http://www.lsc.ucdavis.edu/math_workshops.htm#mathtable
 - Unfortunately, passing this class won't guarantee your passage into precalculus (or beyond). You will still need to take the math diagnostic exam. Information (and practice tests) can be found on the Learning Skills Center website.
http://www.lsc.ucdavis.edu/diagnostic_math.htm
-

Policies

homework

Homework will be collected at the beginning of class on Thursdays. It should clearly show each logical step, and be easy to read.

It's a simple point, but homework **must** be stapled. Late homework will not be accepted, but your lowest score will be dropped.

exams

Calculators will not be allowed (nor necessary) during examinations. There will be no make-up exams; except under documentable, extreme circumstances. If this is the case, contact the instructor as soon as possible.

grading

At the end of the quarter the grades will be curved. This will be done fairly, and everyone will receive the grade that they have earned. You are encouraged to study together and avoid competition.

cheating

You will be held to the University's [Standards of Conduct for Students](#). And instances of misconduct will be reported to [Student Judicial Affairs](#).

expectations

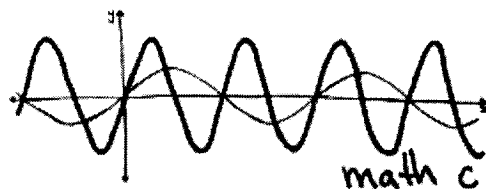
Besides homework and exams, you are responsible for reading the textbook and coming to class on time. Latecomers (like everyone) are expected to cause as little disruption to the class as possible. Make sure to turn off your cell phone before class. Beverages and quiet snacks are allowed as long as they are not distracting to your peers, i.e. no noises, smells, spills, etc.

[home](#)

::math c:: tentative lecture schedule

This is the plan. But could be, of course, subject to change.

It will be extremely helpful for you to read the sections covered in lecture before you come to class---especially if you find yourself completely lost.



Tuesday	Thursday
September 23	25 P.1 real numbers, 1.2 equations, & P.3 the plane
30 P.3 symmetry and graphs	October 2 P.4 lines & P.5 functions
7 1.1 radian measure & 1.2 trig functions	9 1.3 right triangle trig & 1.4 trig functions of any angle
14 P.6 analyzing graphs of functions & P.7 parent functions	16 P.8 transformations of functions
21 1.5 & 1.6 graphs of trig functions	23 review
28 midterm	30 P.9 composite functions & P.10 inverse functions
November 4 1.7 inverse trig functions	6 2.1 using identities & 2.2 verifying identities
11 veteran's day holiday	13 2.3 solving trig equations
18 2.5 & 2.6 angle formulas	20 3.1 law of sines & 3.2 law of cosines
25 3.3 vectors in the plane & 3.4 dot products	27 thanksgiving day holiday
December 2 4.1 complex numbers & 4.3 trigonometric form of a complex number	4 review

Review Session: TBA
Final Exam: Thursday, 12/11 1:00--3:00 p.m.

[c](#) | [home](#)

