

MAC 1114 - Trigonometry online

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Instructors:

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Course Description

This course is the sequel to MAC1140 Precalculus Algebra and serves as an introduction to Trigonometry. Topics will include a basic introduction to trigonometric functions, graphing trigonometric functions, inverse trigonometric function, and analytic trigonometry.

Textbook

There is no required textbook for this course. A useful reference can be found at <https://openstax.org/details/books/algebra-and-trigonometry>.

Course Schedule (tentative):

Week 1:	Review of Algebra and Geometry basics
Week 2:	Radian and Degree Measures
Week 3:	Trigonometric Functions
Week 4:	Right Triangle Trigonometry & Trig Functions of Any Angle
Week 5:	Graphs of Sine & Cosine Functions (Exam 1)
Week 6:	Graphs of Other Trig Functions
Week 7:	Inverse Trig Functions
Week 8:	Applications and models
Week 9:	Fundamental Trig Identities
Week 10:	Verifying Trig Identities (Exam 2)
Week 11:	Solving Trig Equations
Week 12:	Sum & Difference Formulas
Week 13-14:	Multiple Angles & Product-to-Sum Formulas (Thanksgiving)
Week 15:	Law of Sines & Law of Cosines (Exam 3)
Week 16:	Preparation to the Final Exam

Canvas

Canvas is located at <https://elearning.ufl.edu>; use your Gatorlink username and your password to login. You can find your lecture videos, checkpoint quizzes, bonus questions, grades, announcements, lecture outlines, free help information, etc., at this site. You are responsible for verifying that your grades are accurate. You have one week after a score has been posted to contact your instructor if you believe there has been a grading or a recording error. *Note: Important information may be included in the announcements in Canvas. You are expected to read them.*

Lectures

Viewing lecture presentations is an important aspect of the learning process. The lecture provides the main presentation of the course material in addition to the textbook. Each lecture consists of several videos for a total of approximately 1 hour. Lecture outlines can be printed from Canvas and used to take notes.

Grading

Grades will be based on the following composition:

Assignment	Number	Percentage of Final Grade
Checkpoints	13	9%
Xronos HW	14	28%
Midterm Exams	3	45%
Final Exam	1	18%
Bonus questions	13	2%
		102%

Checkpoints

In each lecture video is a Checkpoint problem that pertains to the concept recently covered. You should work the Checkpoint problem and write your answer down (a, b, c, d, or e), since you will need to enter your multiple-choice answers in Canvas. Checkpoint problems are due by the lecture due date (see the calendar), but it is best to do them as soon as possible. You can only submit your answers once. After submitting your answers, the feedback will contain a link to a video with solutions.

Xronos HW

Homework will be completed through Xronos. This program should only be accessed through an assignment link in Canvas.

Exams

There will be 3 Honorlock midterm exams throughout the semester and a final (each exam will be on canvas and will be multiple-choice).

Bonus questions

For each lecture, watching the lecture videos and then answering the bonus question found in Canvas can earn you bonus. This must be done by the due date given for each lecture; there are no extensions or make-ups for bonus. Each bonus question will ask about a picture that appears in one of the lecture videos for 4 to 5 seconds, and you can only submit your answer once. The sizes and locations of the pictures do change, depending on the picture, but they're all about the same relative size in the video as the small red box is in the image to the right. If you happen to miss a bonus image, please consider that it's probably a better use of your time working extra practice problems, which improves your mathematical skills, than hunting for the bonus image, which does nothing to help increase your mathematical skill. *There will be no other bonus points, extra assignments, or extra make-ups.*

Grading Policy

Percent	Grade	Grade Points
90.0 - 100.0	A	4.00
87.0 - 89.9	A-	3.67
84.0 - 86.9	B+	3.33
81.0 - 83.9	B	3.00
78.0 - 80.9	B-	2.67
75.0 - 79.9	C+	2.33

Percent	Grade	Grade Points
72.0 – 74.9	C	2.00
69.0 - 71.9	C-	1.67
66.0 - 68.9	D+	1.33
63.0 - 65.9	D	1.00
60.0 - 62.9	D-	0.67
0 - 59.9	E	0.00

More information on UF grading policy may be found at:

[Grades and Grading Policies](#)

Course Evaluation

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.ua.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via ufl.bluera.com/ufl/. [Summaries of course evaluation results are available to students here.](#)

University Honesty Policy

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” [The Honor Code](#) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructors in this class.

Student Privacy

There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see the [Notification to Students of FERPA Rights](#).

Incomplete Policy

A grade of I (incomplete) will be considered only if you meet the Math Department criteria which is found at <https://www.math.ufl.edu>. If you meet the criteria you must see the instructor before the beginning of finals week to be considered for an I. A grade of I only allows you to make up your incomplete work. You cannot redo any previously completed work.

Class Demeanor or Netiquette

All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats.

Advising and Help:

For issues with technical difficulties for Canvas, please contact the UF Help Desk at:

– Website: <https://helpdesk.ufl.edu>

– Phone: (352) 392-HELP (4357)

– Walk-in: HUB 132

Note: Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from the Help Desk when the problem was reported to them. The ticket number will document the time and date of the

problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

If you have any questions please contact your instructors! Office hours will be posted and are regular times when they are available to answer questions, discuss grades, advise students on future classes, or help students in any available way. You do not need an appointment to visit during office hours. If you need to meet outside of office hours, please contact your instructors for an appointment.

In addition, there are several other free resources available to you:

- The Teaching Center Math Lab, located at SE Broward Hall, offers free informal tutoring. You may want to attend different hours to find the tutors with whom you feel most comfortable. Also the Little 215 Tutoring Center provides free tutoring for courses up to Calculus 3. Go to <https://www.teachingcenter.ufl.edu> to find their hours. You can also request free one-on-one tutoring.
- A list of qualified tutors for hire is available at <https://math.ufl.edu/wp-content/uploads/sites/124/2022/05/tutorlistSummer2022.pdf>.
- Other resources are available at <https://www.distance.ufl.edu/getting-help> for:
 - Counseling and Wellness resources;
 - Disability resources;
 - Resources for handling student concerns and complaints;
 - Library Help Desk support.
- Should you have any complaints with your experience in this course please visit <https://www.distance.ufl.edu/student-complaints> to submit a complaint.

Changes

The instructors reserve the right to make changes to this syllabus as necessary. Any such changes will be announced both in-class and as an announcement on Canvas.