MAC 1114 - Trigonometry

Semester: Spring; 2023
Section: 13851 and 13853: Online
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Office Hours: Zoom; time TBD

1 Course Description and Objectives

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

2 Textbook

In this course, we will be using lecture notes provided in Canvas. There is no required textbook for this course. However, below is linked an open-resource textbook which is a good source for additional explanations and supplementary exercises.

3 Attendance

This is an online course in which the students complete all learning and work on their own time. We will host optional zoom lessons on Tuesdays and Thursdays, which will be recorded and posted to canvas. Your "attendance" will be taken as your completion of the assignments by the given due date.
See the UF attendance policy; `https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/`

4 Grading

Grades will be based on the following composition:

> Quizzes: 20%
> Xronos: 20%
> Exam 1: 20%
> Exam 2: 20%
> Exam 3: 20%

Course Outline: This course is split into 13 modules. You will be given approximately one week per module, although you are welcome to work ahead if you so desire.

Your assignments consist of 13 online homework assignments (1 per module) 13 quizzes (1 per module), and 3 online exams.
The homework and quiz for each module will be due Sunday at 11:59 pm following the week in which the module is scheduled (see schedule below). At the beginning of each week, you should read/watch the material in that week's module first. Then you should complete the homework assignment. It is at this stage that most people start to have questions. Please reach out to your instructors for support if needed.

Once you have completed the homework and feel confident in the material, complete the module quiz.

After the class has completed 4-5 modules, you will complete an online exam covering the material from these 4-5 modules. There are 3 exams total to cover the 13 modules.

Xronos: Homework will be completed through a program called Xronos. This program should only be accessed through the assignment link in the canvas module. This is to ensure proper grade synchronization between the xronos and canvas programs. Once you open the assignment, you will be presented with a series of multiple choice, multiple select, or fill in the blank quetsions. These assignments are NOT TIMED, and you have infinite attempts for each questions.

NOTE: It is your responsibility to ensure that when you complete a xronos assignment, that your grade is properly updated in canvas. If there is any issue with the grade not synchronizing, immediately reach out to your instructor to resolve the issue.

Quizzes: Quizzes are online, in canvas. They may be completed on your own time, before the due date. These assignments will consist of approximately 4 multiple choice or fill in the blank questions. These quizzes

ARE TIMED! So make sure you are prepared before you click start. You will have 2 attempts per quiz.

Exams: Exams will be online, in canvas. They will be made available during a 2 day interval posted on the schedule (see section below). These exams will be proctored through HonorLock. (see post in canvas about setting up honorlock). These exams will be similar to quizzes, but more questions and more time. These are closed-note assignments (unless otherwise stated). You will only have 1 attempt per exam. If there are any tech issues during the exam, IMMEDIATELY reach out to your instructor to resolve the issue.

Grading Scale:

A	90%
A-	87%
B+	84%
B	80%
B-	77%
C+	74%
C	70%
C-	67%
D+	64%
D	60%
D-	57%
E	Below 57%

UF Grading Policy
https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/

Late Submissions: Any request to submit an assignment late should come with a documentation of the reason the assignment is being submitted late. The instructor reserves the right to refuse a late submission without an accompanying justification.

Make-up Exams: If you are participating in an official UF activity (such as music performances, athletic competition or debate), you must contact the instructor at least one week prior to the event and you must present documentation. A make-up exam will be given soon after the exam date.

If illness or other extenuating circumstances cause you to miss an exam, contact the instructor immediately before the due date. Then, as soon as possible after you return to classes, bring/send the appropriate documentation to the course instructor. Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work. No make-up materials will be provided for undocumented/unexcused absences.

5 Schedule

Jan. 9th	Class Begins	
Jan. 15th	Module 0 due	Algebra Prerequisites
Jan. 22nd	Module 1 due	Angles and Circles
Jan. 29th	Module 2 due	Trigonometric Functions
Feb. 5th	Module 3 due	Right Triangle Trigonometry
Feb. 12th	Module 4 due	Graphs of Sine and Cosine
Feb. 14-15	Exam 1	Modules 0-4
Feb. 19th	Module 5 due	Graphs of Secant, Cosecant, Tangent and Cotangent Functions
Feb. 26th	Module 6 due	Inverse Trigonometric Functions
March 5th	Module 7 due	More onInverse Trigonometric Functions
March 12th	Module 8 due	Verifying Trigonometric Identities
March 19th	Spring Break	
March 21-22	Exam 2	Modules 5-8
March 26th	Module 9 due	Solving Trigonometric Equations
April 2nd	Module 10 due	Sum and Difference Formulas
April 9th	Module 11 due	Double Angle, Half Angle and Power Reducing Formulas
April 16th	Module 12 due	Law of Sines and Law of Cosines
April 25-26	Exam 3	Modules 9-12

6 Administrative Concerns

6.1 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.

6.2 Online Course Evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at https://gatorevals.aa.ufl.edu/. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open.

6.3 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 extensions 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 extension.

- For all concerns with this course, please talk to your instructor! 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 instructor 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 1. 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://www.math.ufl.edu.
  - 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.

6.4 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.

6.5 Honor Code

All students are required to abide by the Academic Honesty Guidelines which have been accepted by the University. The academic community of students and faculty at the University of Florida strives to develop, sustain and protect an environment of honesty, trust and respect. Students are expected to pursue knowledge with integrity.

Violations of the Academic Honesty Guidelines shall result in judicial action and a student being subject to the sanctions in paragraph XIV of the Student Code of Conduct. The conduct set forth hereinafter constitutes a violation of the Academic Honesty Guidelines (University of Florida Rule 6C1-4.017). You may find the Student Honor Code and read more about student rights and responsibilities concerning academic honesty at the link https://www.dso.ufl.edu/sccr/.

6.6   Students with Disabilities

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center by visiting: https://disability.ufl.edu/students/get-started/. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester. If a student does not supply the appropriate documentation in a timely fashion, the instructor may not be able to accommodate the student in a timely manner.

6.7   Changes

The instructor reserves 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.