

MAC 1114 TRIGONOMETRY

Spring 2023

Instructor:	Justin Young	Time:	T R Period 5
Email:	jyoung3@ufl.edu	Place:	MAT 3
Office Hours:	TBA		

General Education Designation: Mathematics (M) ([area objectives available here](#)).

A minimum grade of C is required for general education credit. Courses intended to satisfy the general education requirement cannot be taken S-U.

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.

Textbook: There is no required textbook for this class. However, a useful reference for additional reading and problems can be found at <https://openstax.org/details/books/algebra-and-trigonometry>.

Attendance: It is expected that all students attend every class meeting and complete all assignments. For any exception, contact the instructor as soon as possible. In particular, quizzes and exams should be made up within a week of the scheduled date. See the UF attendance policy; <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>.

Grading: Assignment categories will be weighted as follows:

- Homework: 25%
- Quizzes: 15%
- Exam 1: 20%
- Exam 2: 20%
- Exam 3: 20%

Exams will be announced at least a week ahead of time. Quizzes will be given on weeks that do not have exams. Letter grades will be assigned as follows:

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

For further information, see UF's grading policies: <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>.

Tentative Course Outline:

Week 1	Angles and Circles
Week 2	Trigonometric Functions
Week 3	Right Triangle Trigonometry
Week 4	Graphs of Sine and Cosine Functions
Week 5	Graphs of Secant, Cosecant, Tangent and Cotangent Functions
Week 6	Inverse Trigonometric Functions
Week 7	Law of Sines and Law of Cosines
Week 8	Fundamental Trigonometric Identities
Week 9	Solving Trigonometric Equations
Week 10	Sum and Difference Formulas
Week 11	Double Angle, Half Angle, and Power Reducing Formulas

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.

Course Evaluations: 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.aa.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 <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/publicresults/>.

Honor Code: 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 Conduct Code specifies a number of behaviors that are in violation of this code and the possible sanctions. [Click here to read the Conduct Code](#). If you have any questions or concerns, please consult with the instructor or TAs in this class.

In-Class Recording: Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A "class lecture" is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or guest lecturer during a class session.

Publication without permission of the instructor is prohibited. To "publish" means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or

in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

Health and Wellness Resources:

- U Matter, We Care: If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit [U Matter, We Care website](#) to refer or report a concern and a team member will reach out to the student in distress.
- Counseling and Wellness Center: Visit the [Counseling and Wellness Center](#) website or call 352-392-1575 for information on crisis services as well as non-crisis services.

Details of this syllabus are subject to change as necessary to facilitate the needs of the course - if any changes are made, an announcement will be made to notify the class of the change.