

MAC 1114 — Trigonometry

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Course Description

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

We will follow the freely available [Openstax Precalculus](#) textbook. We will cover most of chapters 5-8.

Grading Policy

Homework problems will be assigned and collected on a regular basis. You are encouraged to discuss the problems with your classmates, but any work you turn in must be your own. Late homework will not be accepted. 40% of your grade will be determined by completion and accuracy of selected homework problems. Your performance on 4 exams will determine the remaining 60% of your grade (15% each). Grading will be in accordance with the UF policy stated at <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>. The following grading scale will apply:

≥ 90 : A	≥ 80 : B	≥ 70 : C	≥ 60 : D
≥ 87 : A-	≥ 77 : B-	≥ 67 : C-	≥ 57 : D-
≥ 83 : B+	≥ 73 : C+	≥ 63 : D+	< 57 : E

Course Policies

Attendance Policy

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>.

Accommodations for Disabilities

Students with disabilities requesting accommodations should first register with the Disability Resource Center by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

Academic Integrity and Honesty

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 honesty 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 (www.dso.ufl.edu/sccr/process/student-conduct-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 instructor.

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.aa.ufl.edu/>. 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. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

Schedule

This schedule is tentative and subject to change. Each midterm exam will be given in class, typically on the Thursday of each exam week. Each topic corresponds to an individual chapter of the textbook. The final exam will be cumulative.

Week 1, 01/03 - 01/07: Trigonometric Functions

Week 2, 01/10 - 01/14: Trigonometric Functions

Week 3, 01/17 - 01/21: Trigonometric Functions

Week 4, 01/24 - 01/28: Review and **Exam 1**

Week 5, 01/31 - 02/04: Periodic Functions

Week 6, 02/07 - 02/11: Periodic Functions

Week 7, 02/14 - 02/18: Periodic Functions

Week 8, 02/21 - 02/25: Review and **Exam 2**

Week 9, 02/28 - 03/04: Trigonometric Identities and Equations

Week 10, 03/07 - 03/11: Spring Break

Week 11, 03/14 - 03/18: Trigonometric Identities and Equations

Week 12, 03/21 - 03/25: Trigonometric Identities and Equations

Week 13, 03/28 - 04/01: Review and **Exam 3**

Week 14, 04/04 - 04/08: Further Applications of Trigonometry

Week 15, 04/11 - 04/15: Further Applications of Trigonometry

Week 16, 04/18 - 04/22: **Review**

The final exam is on April 23, 2022 from 7:30 - 9:30 AM.