



MAC 1114: TRIGONOMETRY FALL 2019

1 Introduction

INSTRUCTOR: J. Shane Welker

OFFICE: Little Hall 433

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CLASS TIMES AND LOCATIONS:

- Section 3055/17535 - T/Th 4th Period (10:40am-11:30am) in [Matherly 113](#)
- Section 3056/17536 - T/Th 5th Period (11:45am-12:35pm) in [Matherly 114](#)

OFFICE HOURS:

- Monday 1:55pm-2:45pm
- Tuesday & Thursday 12:50pm-1:40pm

2 Course Description

MAC 1114 is a comprehensive introduction to trigonometry, preparing the student for more advanced courses in which trigonometric and other transcendental functions are used extensively. We will use both analytical and graphical techniques to develop familiarity and intuition for these functions. The material covered will roughly correspond to Chapters 4 and 5 of Larson's book.

2.1 Prerequisites

This course assumes prior knowledge of intermediate algebra (Algebra 2). Students should be able to do arithmetic without a calculator. You should already be competent in working with high school algebra topics such as the ones covered in Appendices A1-A7 in the textbook.

2.2 Course Materials

- WEBASSIGN (REQUIRED): All students are **required** to have access to WebAssign. This includes an e-book version of the textbook. A hard copy of the text is *not* required. A WebAssign access code may be purchased either:
 1. UF All Access program: You have the opportunity to purchase WebAssign access (includes e-book) for a REDUCED price (\$62.50) and pay through your student account. Note: You can also purchase a loose-leaf print version of the textbook through the UF Bookstore (approximately \$50). The following link on the university website will take you to the appropriate place to purchase the UF All Access options specific to your course(s), at a discounted rate negotiated by UF: <https://www.bsd.ufl.edu/G1C/bookstore/allaccess.asp>.
 2. From the UF Bookstore: individually or bundled with the textbook.
 3. You can purchase the WebAssign access code and/or textbook at a bookstore or elsewhere. Prices vary.

At the beginning of the semester, there is a two week grace period to use WebAssign before you must pay for your access.

- TEXTBOOK (OPTIONAL): **Precalculus** (10th edition) by Larson.

You do NOT need to purchase a hard copy of the book, but you may if you wish. You will not have access to an electronic version of the text (ebook) through WebAssign.

- CALCULATOR: A calculator and similar tools (eg. WolframAlpha) can be useful when used appropriately, but are not required. You should learn to solve problems by hand. Some homework might ask you to use a calculator but ***you will not be allowed to use a calculator during the in-class quizzes and exams.***

2.3 Online Resources

E-learning Canvas, a UF course management system, is located at elearning.ufl.edu. Use your Gatorlink username and password to login. All course information including your grade, course homepage, syllabus, lecture videos, office hours, test locations, mail tool, discussion forum, free help information, etc. can be accessed from this site. **You are responsible for verifying that your grades are accurate. There is no grade dispute at the end of the semester** (see below for the One Week Policy).

2.4 One Week Policy

Please be aware of the **One Week Policy**: Once you receive a graded paper back, you have **one week** to contest the grade and initiate any grade disputes. Once this one week passes, **there are no further disputes**. In particular, once the end of the semester nears, you *cannot* start disputing, say, grades from the first week or two.

2.5 Calculators

A graphing calculator and Wolframalpha are useful as study and learning tools when used appropriately, **but they are not essential**. I also recommend the online graphing calculator Desmos (www.desmos.com), and the app GeoGebra (www.geogebra.org) to help you as you learn the material, but calculus is a collection of ideas that are not mastered through calculator skills. **No calculators are allowed on quizzes/assessments or on the exams.**

2.6 Lectures

This class will take a different form than you may be used to. I will not lecture for the whole period, if at all. You will be responsible for watching pre-recorded lectures online at the course site in Canvas **BEFORE** coming to class. We will spend most of our class time working on problems and exploring the concepts of the videos due the day before. This means you cannot participate, or learn much, in class if you have not watched the video prior to the class. Come to class ready to participate.

3 Course Assignments and Grading

3.1 Online Homework

Homework is absolutely critical to your success in this course. The only way to learn how to do mathematics is to practice doing mathematics. Homework assignments will be posted regularly on WebAssign. Each homework assignment will be graded both for completeness and correctness. The WebAssign homework and quizzes are due on Sundays or Wednesdays. Please refer to the calendar for all due dates. You are responsible to watch for the due dates of the online work. You have 5 attempts for each homework and your highest score will be recorded. For WebAssign quizzes you have two attempts. Since you have a window of a week to complete your online work, there will be NO LATE submission! At the end of the semester, 2 WebAssign homeworks and 2 WebAssign Quizzes will be dropped. If you happen to miss a few assignments due to sickness or other unforeseen issues, you will use your drops for those missed assignments. The WebAssign homework and quizzes will count for 20% of your final grade in the course.

3.2 Class Attendance

Your attendance in class and online shows your commitment to your education. Arriving to class on time and actively participating in a positive manner until the minute that class ends are indicators of a serious and dedicated student on his/her way to becoming a successful professional. You are responsible to stay up to date with notes and announcements from the days you missed. Coming to class unprepared because you missed the previous day is unacceptable and not an excuse. Attendance will be recorded daily and will be taken under consideration when entering your final grade.

3.3 In-Class Quizzes

In class quizzes will be given regularly to ensure that you are keeping up with the material covered in class and on the homework. They will contain similar questions to the group activities and the homework. There will be at least 6 quizzes. Refer to the calendar for scheduled quizzes. **However, additional unannounced quizzes may be given from time to time.** At the end of the semester, one lowest quiz score will be dropped. In total, the quizzes will count for 10% of the final grade.

3.4 In-Class Activities

Almost every class you will complete an activity from the material that was just presented wither individually or as a group. You will be allowed to use notes and can work in pairs or small groups of 3 or 4. These graded activities must be completed in class, so **there are no make-ups**. Please do not ask. Plan to attend all class meetings, so that you may earn credit for these assignments. Due to the possibility of absences beyond your control, the lowest two activities will be dropped before calculating your final course grade. The Group Activities make up 5% of you final grade.

3.5 Exams

There will be three exams given during the semester. The best two of these three exam scores will count for 45% of your course grade. The exams will be given in class, on the following dates:

Exam 1: Tues, 9/17
Exam 2: Tues, 10/15
Exam 3: Tues, 11/12

Students are responsible for material covered in the course, including lectures, homework, and quizzes.

3.6 Final Exam

The final exam will be a comprehensive (cumulative) final covering all material studied during the semester. It will count for 20% of your grade in the course. This final exam will be given on Monday, December 10th from 7:30 am to 9:30 am.

3.7 Make-Up and Extension Policy

Since it is expected that some students may miss exams or quizzes during the semester, the lowest of the three midterm exams and two in class quiz scores will be dropped. As a result, **no make-up exams or quizzes will be given, under any circumstances.** Late WebAssign homework will also not be accepted.

3.8 Incomplete Policy

A grade of I (incomplete) will be considered only if you meet the Math Department criteria which is found at <http://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.

4 Grades

To summarize, your final grade in the course will be derived as follows:

WebAssign HW and Quizzes (2 HW and 2 Quiz drops)	20%
In-Class Quizzes (1 drop)	10%
In-Class Activities (2 drops)	5%
Midterm Exams (1 drop)	45%
Final Exam	20%
Total	100%

This grade will then be converted to a letter grade using the following grading scale:

≥ 90.00	A	70.00 - 73.99	C
87.00 - 89.99	A-	67.00 - 69.99	C-
84.00 - 86.99	B+	64.00 - 66.99	D+
80.00 - 83.99	B	60.00 - 63.99	D
77.00 - 79.99	B-	57.00 - 59.99	D-
74.00 - 76.99	C+	≤ 56.99	E

Note: Any grade lower than C does not give Gordon Rule or General Education credit. Extra assignments for individual students to improve a grade are not possible. There will be no review of disputed points at the end of the semester. All grade concerns must be settled within one week of the receiving the grade on the assignment. For a complete explanation of current policies for assigning grade points, refer to the UF undergraduate catalog: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

5 Online 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/>. 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/public-results/>.

6 Advising and Help

6.1 Math Help

For all concerns with MAC1114, please talk to your lecturer! 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 me for an appointment.

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

- The LIT 215 Math Lab is located in Little Hall and is open Monday-Friday, 9:35 am to 4:00 pm. It is staffed by Broward tutors and mathematics graduate students. You can go there to study and to ask any questions you may have.
- The Teaching Center Math Lab, located at SE Broward Hall, is a tutorial service staffed by trained math and science students to provide help with your calculus questions and homework. Tutors will be glad to provide guidance on specific problems after you have attempted them on your own. You may want to attend different hours to find the tutors with whom you feel most comfortable. You can also request free one-on-one tutoring. Check the webpage, <https://teachingcenter.ufl.edu/> for a map of the location, tutoring hours, and more. All students are encouraged to use the resources of the Broward teaching center
- Office of Academic Support offers free one-on-one and small group tutoring sessions to any UF students. See <http://oas.aa.ufl.edu/programs/tutoring/> for details.
- UF Counseling Center provides information and workshops on developing Math Confidence. The center also offers counseling support in case of issues with academics, adjusting to the stress of college life, or personal challenges. Please use this resource before you get overwhelmed! You may contact the center at <https://counseling.ufl.edu/>.
- Textbooks and solutions manuals are located at the reserve desks at Marston Science Library.
- A list of qualified tutors for hire is available at <http://www.math.ufl.edu>.

6.2 U Matter, We Care

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact umatter@ufl.edu, so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 911.

6.3 Technical Difficulties

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

- <http://helpdesk.ufl.edu>
- (352) 392-HELP (4357)
- Walk-in: HUB 132

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.

Other resources are available at <http://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 <http://www.distance.ufl.edu/student-complaints> to submit a complaint.

7 Honor Code

All University of Florida 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.

As such, on all work submitted for credit by students at the University of Florida, the following pledge is either explicitly required or implied:

On my honor, I have neither given nor received unauthorized aid in doing this assignment.

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 www.dso.ufl.edu/sccr/.

8 Students with Disabilities

Students requesting classroom accommodation must first register with the Dean of Students Office www.dso.ufl.edu/drc/. The DOS will provide documentation to the student who must then provide this documentation to the course instructor. Any accommodations must be submitted as soon as possible. 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.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Aug 18th	19th	20th Syllabus L1	21st	22nd L1	23rd
25th WA-L1 HW WA-L1 Quiz	26th	27th L2 Quiz 1 (L1)	28th	29th L2	30th
Sep 1st WA-L2 HW WA-L2 Quiz	2nd OFF Labor Day	3rd L3	4th	5th L3 Quiz 2 (L2-L3)	6th
8th WA-L3 HW WA-L3 Quiz	9th	10th L4	11th	12th L4 Practice Exam 1	13th
15th WA-L4 HW WA-L4 Quiz	16th	17th Exam 1 (L1-L4)	18th	19th L5	20th
22nd	23rd	24th L5	25th WA-L5 HW WA-L5 Quiz	26th L6 Quiz 3 (L4-L5)	27th
29th	30th	Oct 1st L6	2nd WA-L6 HW WA-L6 Quiz	3rd L7 Quiz 4 (L6)	4th OFF Homecoming
6th	7th	8th L7	9th WA-L7	10th Practice Exam 2	11th
13th WA-L7 Quiz	14th	15th Exam 2 (L5-L7)	16th	17th L8	18th
20th	21st	22nd L8	23rd WA-L8 HW WA-L8 Quiz	24th L9 Quiz 5 (L8)	25th

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
27th	28th	29th L9	30th WA-L9 HW WA-L9 Quiz	31st L10 Quiz 6 (L9)	Nov 1st
3rd	4th	5th L10	6th WA-L10 HW WA-L10 Quiz	7th Practice Exam 3	8th
10th	11th OFF Veterans Day	12th Exam 3 (L8-L10)	13th	14th L11	15th
17th	18th	19th L11	20th WA-L11 HW WA-L11 Quiz	21st L12 Quiz 7 (L11)	22nd
24th	25th	26th L12	27th	28th OFF Thanksgiving	29th OFF Thanksgiving
Dec 1st WA-L12 HW WA-L12 Quiz	2nd	3rd Practice Final Exam	4th	5th OFF Reading Day	6th OFF Reading Day
8th	9th	10th	11th	12th	13th

The cumulative final exam will take place on:

Saturday, 12/7, from 7:30am - 9:30am.

The location will be announced later in the semester.

** Aspects of the schedule are subject to change at the instructor's discretion. Exams will not be changed without significant prior notice and discussion about proposed changes. **