

MAC 1114

Student Guide

Spring 2014

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MAC1114: TRIGONOMETRY

SYLLABUS (contains book HW, grading scale, etc.)

SPRING 2014 (as of 1/7/14)

Contact information:

Course Instructor

Name: Hallie Dilley

Office: Little 487

Office Hours: Monday 10:40-11:30 (4th), Tuesday 11:45-12:35 (5th), Wednesday 10:40-11:30 (4th)

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Course homepage is on Sakai, <http://lss.at.ufl.edu>

SPRING 2014 - MAC1114 Calendar (as of 1/7/14)

Test 1 (4.1-4.5)–Thursday, January 30, 8:00-9:00 pm, see Sakai for room assignment

Test 2 (4.5-4.8) –Thursday, February 20, 8:00-9:00 pm, see Sakai for room assignment

Test 3 (5.1-5.3)–Thursday, March 20, 8:00-9:00 pm, see Sakai for room assignment

Test 4 (5.4-5.5, 6.1-6.2) –Thursday, April 17, 8:00-9:00 pm, see Sakai for room assignment

Cumulative Final (4.1-6.2)– To Be Determined, see Sakai for room assignment

	Monday	Tuesday	Wednesday	Thursday	Friday
January	6	7 4.1	8	9 4.1	10
	13	14 4.2 Quiz 1	15	16 4.3	17
	20 Holiday	21 4.3 Quiz 2	22	23 4.4	24
	27	28 4.5	29	30 Review Exam 1	31
February	3	4 4.5-4.6 Quiz 3	5	6 4.6-4.7	7
	10	11 4.7 Quiz 4	12	13 4.7-4.8	14
	17	18 4.8	19	20 Review Exam 2	21
	24	25 5.1 Quiz 5	26	27 5.1-5.2	28
March	3	4 Spring Break – No Class	5	6 Spring Break – No Class	7
	10	11 5.2 Quiz 6	12	13 5.3	14
	17	18 5.3	19	20 Review Exam 3	21
	24	25 5.4 Quiz 7	26	27 5.4-5.5	28
April	31	1 5.5 Quiz 8	2	3 6.1	4
	7	8 6.1-6.2 Quiz 9	9	10 6.2	11
	14	15 Review	16	17 Review Exam 4	18
	21	22 Last Class! Quiz 10	23	24 Reading Day – No Class	25

Cumulative final will take place during finals week. Final grades are available on ISIS on May 7th.

2. INTRODUCTION

2.a COURSE CONTENT: In this course, we shall cover such topics as:

- the theory of radians, degrees and their measures;
- evaluating trigonometric functions on the unit circle, and then on any angle;
- trigonometry of the right triangle;
- graphs of trigonometric functions, both standard and inverse;
- some simple applications;
- trigonometric identities and special formulas;
- the Law of Sines and the Law of Cosines.

For more information on math courses and math advisors go to <http://www.math.ufl.edu>.

2.b PREREQUISITES: This course assumes reasonable facility with algebraic manipulation (intermediate algebra). Students should also be able to do arithmetic without a calculator.

2.c REQUIRED MATERIALS: Access to the textbook is required. The solutions manual is NOT required.

Textbook –UF custom copy of Precalculus, 9th edition, by Larson will be used for this course. The text is available at local bookstores. Copies of the book and solutions manual are also available for in-library use at the reserve desk of UF Norman Library and UF Smathers Library West. Homework problems from the text will be graded.

2.d E-LEARNING SAKAI: E-Learning Sakai, a free UF tool, is located at <http://lss.at.ufl.edu>. You can find your grades, announcements, lecture outlines, office hours, free help information, test locations, mail tool, 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 me if you believe there has been a grading or a recording error.** Use your Gatorlink name and password to login.

2.e LECTURES: The lecture provides the main presentation of course material and will follow as closely as possible the calendar and lecture outline provided in this guide. **Attendance is required and counts towards your final grade.** You are responsible for learning lecture material missed due to an absence.

2.f FREE HELP: In **addition to attending class and visiting me either during scheduled office hours or by appointment**, the following aids are available.

- 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. Go to www.teachingcenter.ufl.edu to find their hours. You can also request free one-on-one tutoring.
- Textbooks and solutions manuals are located at the reserve desks at Norman Hall Library and Smathers Library West.
- Private Tutors: If after availing yourself of these aids, you feel you need more help, you may obtain a list of qualified tutors for hire at www.math.ufl.edu. Search “tutors”.
- The Counseling Center has some informative information on developing math confidence. Go to <http://www.counseling.ufl.edu/cwc/Developing-Math-Confidence.aspx> for information on math confidence and information on joining the Academic Confidence Group.

2.g SUCCESS: Success in MAC1114 depends largely on your attitude and effort. Attendance and participation in class is critical. It is not effective to sit and copy notes without following the thought processes involved in the lecture. For example, you should try to answer the questions posed by your lecturer. Students who actively participate have greater success.

Be aware that much of the learning of mathematics at the university takes place outside of the classroom. You need to spend time reviewing the concepts of each lecture **before** you attempt homework problems. It is also important to spend some time looking over the textbook sections to be covered in the next lecture to become familiar with the vocabulary and main ideas before the next class. That way you will better be able to grasp the material presented by your lecturer. As with most college courses, you should expect to spend a **minimum** of 2 hours working on your own for every hour of classroom instruction.

It can also be very helpful to study with a group. This type of cooperative learning is encouraged, but be sure it leads to a better conceptual understanding. **You must be able to work through the problems on your own.** Even if you work together, **each student must turn in his or her own work, not a copied solution, on any collected individual assignments.**

2.h STUDENTS WITH DISABILITIES: Students requesting classroom accommodation must first register with the Disability Resource Center. The DOS will provide documentation to the student who must then provide this documentation to me, Little 487, when requesting accommodation.

2.i ACADEMIC HONESTY GUIDELINES: 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. Exhibiting honesty in academic pursuits and reporting violations of the Academic Honesty Guidelines will encourage others to act 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).

3. TESTING: The first four exams will take place at 8:00 p.m. See the course calendar for the dates. The cumulative final is during finals week. Room locations will be posted on Sakai prior to the exams

3.a Students are responsible for material covered in the lecture notes (including practice problems that we may not have had time to work out during lecture) and all assigned book homework problems. Sample tests are available from the Teaching Center one week prior to the exam.

3.b You should bring to each test only* the following:

- Your UF Gator One Card.
- Soft lead pencils.
- Knowledge of your section number.

*It is suggested that you do not bring anything of value to the test since you are not allowed to take items such as backpacks to your seat.

NO CALCULATORS ARE PERMITTED. All electronic devices must be put away. This includes phones. Scratch paper and graph paper will be provided.

3.c You must take the test in your assigned test location or you will lose points on your test.

3.d No one will be admitted to the test 20 minutes after the starting time of the test. No one will be permitted to leave the test until 20 minutes after the stated start time.

4. GRADING

4.a COURSE GRADE: The course is based on 500 points accumulated as follows:

Book HWs (best 4 of 5 @ 15pts)	60 points	(12%)
Discussion Quizzes (best 8 of 10 @ 10pts)	80 points	(16%)
Exams (best 3 of 4 @ 80 pts)	240 points	(48%)
Cumulative Final Exam	100 points	(20%)
Class Participation	20 points	(4%)

Add your bonus points, then use the scale below to determine your final letter grade. The **course grade is determined by the number of points** you have, **not by the percentage**, and will be strictly enforced.

A = 450-500 points (90%)

A- = 435-449 points (87%)

B+ = 420-434 points (84%)

B = 400-419 points (80%)

B- = 385-399 points (77%)

C+ = 370-384 points (74%)

For information on dropping courses and withdrawals go to

C = 350-369 points (70%)

<https://catalog.ufl.edu/ugrad/current/regulations/info/drops.aspx#drop>.

C- = 335-349 points (67%)

D+ = 320-334 points (64%)

D = 300-319 points (60%)

For information about UF grades and grading policies go to

D- = 285-299 points (57%)

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

E = 284 points and below

4.b BOOK HOMEWORK: The text assignments on page 8 represent the minimum number of problems you should do in each section and serve as a basis for your questions in your discussion section. Homework must be done neatly and work must be shown for credit. You do not need to copy the problem from the book. Homework will be checked for completeness and a few problems will be graded for accuracy. The work should be your own and not copied from the solutions manual. Homework will be collected five times during the semester, with collection dates unannounced. See section 4d for the make-up policy. Some homework problems suggest the use of a graphing calculator. They are designed to help you visualize important concepts and to reinforce the mathematical processes involved. The use of a calculator when doing homework is not required. **Calculators are not permitted on quizzes or tests.**

4.c QUIZZES will be administered during class. Quizzes will be based on the previous lectures and homework assignments. See the calendar for more information. If you feel there is a grading error or posting error on Sakai, you must discuss it with me within one week. No aids may be used on the discussion quiz. See section 4d for the make-up policy.

4.d MAKE-UP POLICY: All make-up work must be completed by Tuesday, April 22 at noon.

i) **Make-up - Exams:** If you have a conflict due to a UF sponsored event or an assembly exam in another course, you need to bring your documentation to me in Little 487 at least one week (otherwise 5 point penalty) before the exam to sign up for the make-up which will be given within one week of the test date. If you miss for any other reason you must notify me within a week of the exam (otherwise 5 point penalty). To be eligible for this make-up you must have an excellent attendance record so far and a valid excuse.

If other classes are scheduled during the exam time, University policy states that the assembly exam takes precedence over the evening class and the evening class instructor must provide make-up work and cannot penalize students who miss because of an assembly exam.

ii) **Make-up - Quizzes:** There are no make-ups, unless, **a)** you are participating in a UF sponsored event, for which you must bring your documentation at least one week prior to me. **b)** you miss a discussion quiz for which you have valid, documentable reason for your absence. Bring your documentation to me within one week of your discussion quiz absence. **c)** you miss because of a religious holiday. You must notify me within the first three weeks of class if you will be missing discussion class due to a religious holiday. **d)** you miss because of a court-ordered obligation, in which case, you must see me.

iii) **Make-up – Homework collection:** Homework will be collected five times throughout the semester, with collection dates unannounced. No late homework will be collected, unless a valid excuse is presented.

4.e INCOMPLETE: A grade of I (incomplete) will be considered only if you meet the Math Department criteria which is found at www.math.ufl.edu. If you meet the criteria you must see me before finals week to be considered for an I. An I only allows you to make up your incomplete work, not redo your work.

5. INSTRUCTOR EVALUATIONS: Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at <https://evaluations.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. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results>. Extra credit will be given if your class section reaches 75% completion or higher.

6. Textbook homework assignments:

MAC 1114 Book HW Assignments

You should read the textbook sections covered in each day's lecture before class. After each lecture, review your notes and the text to make sure you understand the main ideas prior to working the exercises.

If you have questions about the reading or homework exercises, you may ask me during class or office hours. Tutoring is also available in the SE Broward math lab.

You should complete each assignment **before** your next lecture class, since the material in each new lecture builds on previous concepts.

Exercises (4.1), page 269: 11, 12, 15, 17, 19, 25, 29, 31, 33, 35-38, 51, 54, 57, 63, 64, 69

Exercises (4.2), page 277: 5, 7, 13-21 odd, 31-41 odd, 53, 54, 61, 62

Exercises (4.3), page 286: 5, 11, 13-17 odd, 21-24, 29, 30, 43, 44, 57-60, 63, 64, 67, 68, 72, 79-84

Exercises (4.4), page 296: 13, 16, 19-22, 24, 29, 30, 32, 35, 36, 37-57 odd, 61, 67, 69, 72, 97

Exercises (4.5), page 306: 5, 7, 16, 18, 19-23 odd, 43, 47, 49, 57, 65, 73, 80, 83, 85, 87, 90, 95, 97, 99

Exercises (4.6), page 317: 9-14, 17, 22, 23, 27, 32, 35, 37, 38, 61-64, 92

Exercises (4.7), page 326: 5-17 odd, 43-47 odd, 47-52, 55, 61, 63, 65, 67, 71, 77, 85, 86, 103, 108, 110-113

Exercises (4.8), page 336: 6, 21, 25, 26, 33, 34, 35, 37, 39, 45, 46

Exercises (5.1), page 355: 9, 10, 15-20, 35-40, 42, 45, 48, 49, 53, 54, 56, 61, 62, 71

Exercises (5.2), page 362: 11, 12, 16, 17, 24, 25, 30, 31, 41, 44, 63, 64, 71

Exercises (5.3), page 371: 7, 8, 11, 12, 13, 19, 20, 25, 28, 33-43 odd, 63, 67, 99

Exercises (5.4), page 379: 7, 9, 29, 30, 34, 35, 36, 41, 42, 43, 53, 55, 57, 63, 69, 74, 83, 84

Exercises (5.5), page 389: 7, 8, 9, 11, 15, 17, 21, 24, 25, 27, 33, 35, 37, 39, 41, 42, 45, 47, 52, 54, 57, 68, 78

Exercises (6.1), page 408: TBD

Exercises (6.2), page 415: TBD
