

MAC1114: TRIGONOMETRY SYLLABUS

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1. COURSE INFORMATION

1a) Calendar

	Monday	Tuesday	Wednesday	Thursday	Friday
January	5	6 L1	7	8 L1,2	9
	12	13 L2 HW1	14	15 L3 Quiz 1	16
	19	20 L3,4	21	22 L4 Quiz 2	23
	26	27 L5 HW2	28	29 L5 Quiz 3	30
February	2	3 Exam 1	4	5 L6	6
	9	10 L6 HW3	11	12 L7 Quiz 4	13
	16	17 L7	18	19 L8 Quiz 5	20
	23	24 L9 HW4	25	26 Exam 2	27
March	2 Spring Break	3 Spring Break	4 Spring Break	5 Spring Break	6 Spring Break
	9	10 L10 HW5	11	12 L11	13
	16	17 L11	18	19 L12 Quiz 6	20
	23	24 L12 HW6	25	26 Exam 3	27
April	30	31 L13	1	2 L13, 14 Quiz 7	3
	6	7 L14 HW7	8	9 L15 Quiz 8	10
	13	14 L15	15	16 Exam 4	17
	20	21 Review HW8	22	23 Reading Day	24 Reading Day
May	27	28	29	30	1

Key: L# = Lecture #, example L8 = Lecture 8, HW# = Homework #, example HW8 = Homework 8

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1b) Course Instructor

- Name: Brittany Eichler
- Website: <http://people.clas.ufl.edu/bee1989/>
- Office Location: Little Hall 487
- Office Hours: MWF per 6 (12:50pm-1:40pm) and TH per 5 (11:45am-12:35pm)
- E-mail: bee1989@ufl.edu
 - Use a subject that contains both the course title or number and your name.

1c) Course Website

- Canvas: <http://ufl.instructure.com>
 - Use your Gatorlink user name and password to login. On the top left of the page select Courses, then MAC1114 Trigonometry Spring 2015. On this site, you can find your grades, announcements, course materials, scoring rubrics, and other information.

1d) Course Materials

- Textbook: **Precalculus, 9th Edition, by Larson** (Required)
 - Available for purchase or rent at local bookstores or online. Copies of the book and solutions manual are also available for in-library use at the reserve desk of select UF Libraries (<http://www.ufl.edu/academics/libraries/>)
- Other Materials: MAC1114 Lecture Note Outlines (Recommended)
 - PDFs available to print on course website (under Files)

1e) Course Topics

- In this course, topics will be covered from chapters 4, 5, and 6 of **Precalculus, 9th Edition, by Larson**
 - For more information on math courses and math advisors visit the UF math website (<http://www.math.ufl.edu>)

1f) Prerequisites

- This course assumes capability with intermediate algebra topics and the ability to do reasonable arithmetic without a calculator.

1g) Lectures

- Lectures take place on Tuesdays and Thursdays during the scheduled class time.
Attendance is required and counts towards your final grade. You must attend the class section you are registered for.

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- Lectures provide the main presentation of the course topics and will follow the calendar as closely as possible. You are responsible for any material missed due to absence.

1h) Success in MAC1114

- Attendance **and** participation during lectures is critical for success in this course. Participation involves, among other things, actively considering the information presented during lectures and answering questions posed by the instructor. When information is presented during lectures you should ask yourself questions such as “Does that make sense?” or “Do I understand why that is true?”
- As with most college courses, you should expect to spend a **minimum** of 2 hours working outside of class for every hour of classroom instruction. This will vary student to student, it is important to spend the time that **you** need to spend in order to grasp the material. Carefully complete homework problems. Be sure to review lecture topics **before** attempting the related homework problems. Look over textbook sections to be covered in the next lecture to acquaint yourself with the corresponding vocabulary and main ideas before the next class.
- Seek help if you need it. Office hours are provided to answer student questions and assist with the course. Take advantage of this **free** resource. Form a study group, this type of cooperative learning is encouraged, but make sure you are able to work through problems on your own as exams and quizzes are solo activities.
 - The Teaching Center Math Lab, located at SE Broward Hall, offers free informal tutoring (www.teachingcenter.ufl.edu)
 - A list of qualified private tutors for hire is available on the UF math website, search “tutors” (www.math.ufl.edu)
 - The Counseling Center offers information on developing your mathematics confidence. Visit their website for more information (http://www.counseling.ufl.edu/cwc/Developing-Math_Confidence.aspx)

1i) Students with Disabilities

- Students requesting classroom accommodation must first register with the Disability Resource Center. They will provide documentation to the student who must give this documentation to the instructor. This must be done **before** accommodation is provided.

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1j) Academic Honesty

- All students are required to abide by the University of Florida Academic Honesty Guidelines. 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 sanction 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)

2. GRADING

2a) Course Grade

- The course grade is based on 350 points. Add up your points, then use the scale below to determine your letter grade. Your course grade is determined by the number of **points** your have and will be strictly enforced. Within one-half of a point or above will be rounded up to the nearest point.
 - A = 315-350 points (90%)
 - A- = 304-314 points (87%)
 - B+ = 294-303 points (84%)
 - B = 280-293 points (80%)
 - B- = 269-279 points (77%)
 - C+ = 259-268 points (74%)
 - C = 245-258 points (70%)
 - C- = 234-244 points (67%)
 - D+ = 224-233 points (64%)
 - D = 210-223 points (60%)
 - D- = 199-209 points (57%)
 - E = 0-198 points
- University policy stipulates that a **minimum** grade of a C must be achieved to obtain Gordon Rule or General Education credit.
- If you believe there is a grading error, you have **one week** after you have received the graded assignment to contact the instructor. You must present the original graded assignment to the instructor. Keep in mind that your instructor cannot discuss grades via e-mail.
- Information on UF grades and grading policies:
(<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>)

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- Information on dropping courses and withdrawals:

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

2b) Point Distribution

- 350 points accumulated from the following:
 - Attendance (best 7 of 8 at 1 point each)7 points (2%)
 - Homework (best 7 of 8 at 15 points each).....105 points (30%)
 - Quizzes (best 7 of 8 at 4 points each).....28 points (8%)
 - Exams (4 at 35 points each).....140 points (40%)
 - Cumulative Final Exam.....70 points (20%)

2c) Attendance

- Attendance is both explicitly and implicitly part of your grade. Eight times throughout the semester, at random, an attendance activity will be given at the beginning of class. You must attend class in order to participate in other graded activities. Please see section 3 of this syllabus for more details.

2d) Homework

- Homework assignments are comprised of problems from the course textbook and are grouped **by lecture**. A complete list of homework assignments is included in section 6 of this syllabus.
- Homework is collected **every other** Tuesday, starting on 1/13. The collection days are listed on the calendar. One or two assignments will be collected from **any completed** lecture that has not already been collected. That means that the Lecture 2 homework assignment could be collected on April 21st! You must bring to class **all** completed homework assignments on the days homework is collected.

2e) Quizzes

- You will take eight quizzes during the semester in the last ten minutes of class. The dates of the quizzes are listed on the calendar. The quizzes will cover topics from the previous lectures, with the exception of the material covered in the class immediately before the quiz date. You should use your performance on quizzes to gauge how you will perform on similar questions on the exams.
- No calculators or other aids are permitted for use during quizzes.

2f) Exams

- The first four exams will be given in class on the dates listed on the calendar.

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- Students are responsible for material covered in the lectures, including problems or examples in the lecture note outlines that we may not have had time to work out during the lectures, and all assigned homework problems.
- You should bring to exams **only** your UF Gator One Card and soft lead pencils. Please keep in mind that you will not be able to take items such as backpacks to your seats, so it is suggested that you do not bring anything of value to the exam.
- No calculators or other aids are permitted for use during the exams.

2g) Final Exam

- A **cumulative** final exam will be given during finals week. The date and time will be announced in class and posted on the course website (under Syllabus and Announcements)
- No calculators or other aids are permitted for use during the final exam.

2h) Scoring Rubrics

- A scoring rubric is a standard of performance for a particular task. In other words, a rubric dictates how an assignment will be graded and specifies the criteria to receive full credit on an assignment.
 - The majority of credit given on homework, quizzes, attendance activities, and exams comes from your work. It is important that you **clearly** show **all necessary** work when completing problems. A sample scoring rubric of a single problem is posted on the course website (under Files). Please look over this rubric to get an idea of how your work will be graded.
 - General scoring rubrics for your homework assignments, attendance activities, quizzes, and exams are posted on the course website (under Files). You are responsible for the information presented in these rubrics and you **will** be graded based on the listed criteria.

3. ATTENDANCE, MISSED CLASS AND MAKE-UP WORK POLICIES

- Attendance policy: You **should** be in class at or before the start of class. You cannot arrive more than **10** minutes after the class starting time and expect to receive full credit on any graded assignments. Please see the scoring rubrics on the course website for more details (under Files).

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- Missed class and make-up work policy:
 - If you have valid documented excuses for missing class more than once, bring them to your instructor within **one** week of the second missed class to discuss the *possibility* of make-up work.
 - Attendance cannot be made up.
 - Since the lowest score is dropped, the first missed homework or quiz cannot be made up for any reason. If more than one homework is missed, you must have valid documented reasons for being unable to turn in homework both **on-time** and **late**.
 - Any make-up quizzes or exams must be completed within **one week** of the missed quiz or exam.
 - If you are going to miss class due to a university sponsored event, a religious holiday, court obligation, or other such valid reason you must inform the instructor **prior** to the class you will miss. Failure to do so will result in being unable to make-up any missed in-class assignments.
 - Attendance cannot be made up.
 - Homework can be turned in **early** to Little Hall 487 during office hours or email for another time.
 - If you are going to miss an exam or quiz you must inform the instructor at least **two** weeks prior to the exam you will miss and **one** week prior for a quiz. **No** quizzes or exams, including the final, may be taken early. Any make-up quizzes or exams must be completed within **one week** of the missed quiz or exam.
 - Since the final exam is worth twice as many points as any other single exam, if your score on the final divided by two is better than your lowest exam score, then your score on the final divided by two will replace your lowest exam score.

4. INCOMPLETE

- A grade of I (incomplete) will be considered only if you meet the Math Department criteria which is found on their website (www.math.ufl.edu). If you meet the criteria you must see the instructor **before** finals week to be considered for an I. An I only allows you to make up your **incomplete** work, not redo completed work.

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5. BONUS POINTS AND EXTRA CREDIT

- Bonus points:
 - Quizzes and exams may contain bonus problems that can add bonus points to the quiz or exam they appear on.
 - If your class section reaches 75% or higher on the course evaluations given at the end of the semester online (<https://evaluations.ufl.edu>), then two bonus points will be added to your final exam score in addition to any bonus points from bonus problems.
- Extra credit: No extra credit is offered for this class.

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6. LECTURE TOPICS AND HOMEWORK ASSIGNMENTS

- Lecture 1 (L1): Section 4.1
 - HW page 269: 11, 12, 15-20, 25, 26, 29-34, 36, 38, 52, 54, 58, 62-64, 69, 70
- Lecture 2 (L2): Section 4.3
 - HW page 286: 5, 6, 10, 11, 14-20 even, 21-26, 29, 30, 42-44, 57-60, 63, 64, 67, 68, 72, 79-84
- Lecture 3 (L3): Section 6.1
 - HW page 408: 5-10, 36, 39-42, 47, 51, 52, 55
- Lecture 4 (L4): Section 6.2
 - HW page 415: 5-10, 25, 26, 30-32, 46, 47, 48, 60
- Lecture 5 (L5): Section 4.2 and 4.4
 - HW page 277: 5-8, 13-21, 32-42 even, 53, 54, 61, 62
 - HW page 296: 12, 13, 16, 19-22, 24, 29, 30, 32, 35, 36, 38-58 even, 61, 67, 69, 70, 72, 97
- Lecture 6 (L6): Section 4.5
 - HW page 306: 5-8, 16, 19-22, 31, 32, 43-48, 57, 64, 65, 73, 74, 80, 84, 85, 87, 90, 96, 98
- Lecture 7 (L7): Section 4.6
 - HW page 317: 9-14, 17, 22, 23, 27, 32, 35, 37, 38, 61-64, 85, 92
- Lecture 8 (L8): Section 4.7
 - HW page 326: 6-18 even, 19, 20, 40, 44-46, 47-52, 55, 56, 61, 63, 64, 66, 67, 71, 77, 78, 85, 86, 88, 103, 108, 110-113
- Lecture 9 (L9): Section 4.8
 - HW page 336: 5, 6, 19, 21, 22, 24, 25, 26, 31, 33, 34, 35, 37, 39, 46, 62
- Lecture 10 (L10): Section 5.1
 - HW page 355: 9, 10, 14, 15-20, 35-40, 42, 45-49, 54-56, 61, 62, 71
- Lecture 11 (L11): Section 5.2
 - HW page 362: 11, 12, 16, 17, 24, 25, 30, 31, 41, 44, 63, 64, 71, 72
- Lecture 12 (L12): Section 5.3
 - HW page 371: 7, 8, 11-14, 19-22, 25, 28, 32-44 even, 45, 48, 62, 63, 67, 98, 99
- Lecture 13 (L13): Section 5.4
 - HW page 379: 8, 10, 28, 29, 30, 34-36, 40-43, 54, 55, 58, 63, 64, 69, 70, 74, 83, 84
- Lecture 14 (L14): Section 5.5
 - HW page 389: 7-11, 15-17, 21-25, 27, 28, 33-35, 37-39, 41, 42, 45-47, 52, 54, 57, 68, 78