

# MAC1114: Trigonometry

## Welcome to the course

In this course we will develop your math skills that will help you be successful in your subsequent college level math courses. We will use Canvas and the MyMathlab online program to complete our homework, quizzes, and tests.

We will not use the textbook. Do not purchase the textbook (unless you need a hard copy of the textbook). You **must** purchase the MyMathlab Access code to enable you to complete your online assignments. You may purchase MyMathlab from the bookstore or during the MyMathLab registration process.

To enroll in the MyMathLab course, go to [Modules](#) and start with Welcome module to begin the course.

*The course ID is not required to register for MyMathLab since you must register through Canvas!*

## Syllabus

## I. Course Information

Course Title: Trigonometry  
Course Number: MAC1114 Section 01  
Instructor Name: Yates  
Credit Hours: 3  
Course Location: Building 7 Room 105  
Office Location: Building 2 Room 207

Telephone No.: 237 2111 extension 1389  
**Email: [yatese@cf.edu](mailto:yatese@cf.edu)**

The best way to reach me is by email. If you leave a voicemail, please leave your name and an email address I can respond to. Please allow 24 hours for a response Monday morning through Thursday afternoon and up to 48 hours for a response Thursday evening through Monday morning. Scheduled holidays may extend the response time.

## Office Hours

Monday: TBD

Tuesday: TBD

Wednesday: TBD

Thursday: TBD

Please allow 24 hours for a response Monday morning through Friday afternoon and up to 48 hours for a response Friday evening through Sunday evening. Scheduled holidays may extend the response time.

## Extended Emergency Closure

“For emergency campus closings (natural disasters, etc.) call 352-291-4499 or 800-831-9244 or check our [website \(Links to an external site.\)](#) (CF.edu).”

Prerequisite for the course: MAC1105 or a suitable placement score.

Text Title: Trigonometry  
Author of Text: Lial  
Edition: 12<sup>th</sup>

ISBN No.: 9780135924136

**Required Materials:** MyMathLab access code for text, Scientific calculator (TI-30XS multiview)

Optional Materials: none

## Cell phones

- You will not be using a cell phone in this class.

## **Calculators**

- You may not use a cell phone as a calculator.
- Calculators that can transmit data wirelessly are not allowed.
- Only a scientific calculator is required.
- No Graphing calculators.
- I recommend the TI-30XS multiview

## **II. Course Description**

In this course I will guide you through the mathematical concepts you need to be successful in your next mathematics course. I expect you to complete your assignments in a timely fashion and ask questions when you need help. It is your responsibility to keep track of when assignments are due. It is your responsibility to do the work assigned. I do not give you a grade for this course, I only record the grade that represents the knowledge you have achieved in this course through the work you have done.

This course is designed to provide students with the opportunity to develop the trigonometric and algebraic skills necessary to take calculus.

### **This course will cover topics such as:**

- Trigonometric functions
- Degrees, Minutes, Seconds
- Radians
- The Unit Circle
- Linear & angular speed
- Graphing trigonometric functions
- Trigonometric Identities
- Proving Trigonometric Identities
- Solving trigonometric equations
- Law of Sines
- Law of Cosines
- Complex numbers and trigonometric form
- Polar Coordinates
- Vectors

## **III. Student Learning Outcomes/Course Objectives.**

## **Learning Outcomes & How Measured**

Quantitative and Analytical Reasoning: The student will understand and apply mathematical and scientific principles and methods.

1. Perform accurate computations using order of operations with and without technology.

How Measured: Quiz, Exams

2. Identify and organize relevant information and complete the solution of an applied problem.

How Measured: Quiz, Exams

3. Interpret and communicate understanding of visual representations of data.

How Measured: Quiz, Exams

4. Demonstrate mathematical number sense and unit sense.

How Measured: Quiz, Exams

## **IV. Assessment**

Grading scale: Final grades will be based on the overall percentage of the course.

<b>Grade</b>	<b>Percent</b>
<b>A</b>	<b>100% - 90%</b>
<b>B+</b>	<b>89% - 87%</b>
<b>B</b>	<b>86% - 80%</b>
<b>C+</b>	<b>79% - 77%</b>
<b>C</b>	<b>76% - 70%</b>
<b>D</b>	<b>69% - 60%</b>
<b>F</b>	<b>59% - 0%</b>

### **Assignments Weights**

**Exams:** 70%

**Quizzes:** 15%

**Homework:** 15%

**Discussions:** 0%

**Attendance:** 0%

### **Grading Information:**

#### **Exams**

- 70% of overall grade
- No Make-up exams!
- No Retaking exams!
- The 5<sup>th</sup> exam counts as a test grade, and may also replace your lowest test score or missed exam

#### **Quizzes**

- 15% of overall grade
- You will have 3 attempts per online quiz.
- There will be no extensions for not turning in a quiz on time.

#### **Homework**

- 15% of overall grade
- Homework is assigned for every section of class
- The student is expected to complete each assignment and if the student encounters difficulties with a problem(s), then the student should ask appropriate questions via email or see the instructor during office hours, or get assistance at the Math Center.
- It is advised that you complete the homework in a timely fashion. I encourage you to finish the homework early so that you have more time to study for the exams.

## Discussions

- 0% of overall grade
- I will post discussions to have you help your fellow students. I would like you to address the topic I present and reply to at least one other post.

## Attendance

- 0% of overall grade
- Attendance is established by doing assignments in MyMathLab.
  - For Financial aid you must be registered in the course in MyMathLab and have completed one assignment.
- Non-Attendance does not constitute as a withdrawal from the course. It is the student's responsibility to complete the withdrawal forms by the appropriate date.
- If the student is having trouble, it is the student's responsibility to get help from the instructor, another student, or tutor. You may contact the instructor through email, or stop by during office hours.

## Late work

- Late work will not be accepted.
- All MyMathLab assignments must be turned in by the due date.
- Failure to turn in an assignment on time will result in a score of zero.

## Extra Credit

- **No Extra Credit**

## Make-up policy:

- **No make-up work will be given** unless there is an emergency or prior approval has been given by the instructor. In such an event, you must notify your professor before the exam or item is due unless the emergency prohibits it and you will be asked to bring proof of the emergency. A make-up exam must be taken within one week of the original exam date unless the emergency prohibits it. While you do not need to disclose personal details, let your professor know as soon as possible if something is preventing you from participating online or completing work.

## Course Schedule/Outline

<b>Preparation, Activities and Evaluation</b>	<b>Date Due</b>
Chapter 1 Homework & Quiz	TBD
Chapter 2 Homework & Quiz	TBD
Exam 1 (Chapters 1 & 2)	TBD
Chapter 3 Homework & Quiz	TBD
Chapter 4 Homework & Quiz	TBD
Exam 2 (Chapter 3 & 4)	TBD
Chapter 5 Homework & Quiz	TBD
Chapter 6 Homework & Quiz	TBD
Exam 3 (Chapter 5 & 6)	TBD
Chapter 7 Homework & Quiz	TBD
Chapter 8 Homework & Quiz	TBD
Exam 4(Chapter 7 & 8)	TBD
Exam 5 (Final Exam)	TBD

All exams are due by 5:00 pm on their due date!

STATEMENT: The instructor reserves the right to make any changes as needed. Due to unforeseen happenings, it may be necessary for the course assignment schedule to be altered. The instructor will always strive to be fair about any changes.

## Student Responsibilities & Course Requirements

1. Students are expected to complete each assignment.
2. Students will complete an online quiz for each chapter.
3. Students will complete 5 exams which will be **proctored**.
  - The first 4 exams will have 25 - 30 questions and you will only have 120 minutes to complete.
4. The 5<sup>th</sup>(final) exam will be **proctored**.
  - The 5<sup>th</sup>Exam will have 30 - 40 questions and you will only have 180 minutes to complete.
  - The 5<sup>th</sup>exam will be administered the same as all other tests. **The 5<sup>th</sup> exam may replace your lowest test score.**
5. You should attend the lectures, and watch posted videos as needed; as they will be the way I teach the course. You may also use MyMathLab and power points, videos, interactive videos, the textbook and other available materials under the course contents. These materials serve as supplemental teaching aids for the course. You may also view instruction videos from other sources such as Kahn Academy. After viewing the material you should do the homework for the chapter and then the quiz.
6. Quiz problems will be similar to the homework problems. You will not have the help buttons available when taking a quiz. You will have three attempts at each quiz. The quiz must be completed before the questions are graded. If you use the second/third attempt you will need to do the entire quiz over, not just one particular problem. The problems will be similar but probably not exactly the same. Only the highest quiz score counts toward the grade. **Only quizzes completed prior to the due date will receive credit.**
7. There will be four tests and a final exam.
8. **There will be no retakes or make-up tests.**



# Online Tutoring Assistance

You can use the [Smarthinking Online Tutoring](#) tab on the left menu bar to access tutors.

The College of Central Florida tutors are at the top and the subject will have a CF in front of it. Please make sure you utilize our CF tutors.

## Log on for SMARTHINKING

Initial username logon is **Your CF ID number and CF (e.g., 99999CF)**

Initial password is **lastname (lowercase)**

Then you will create your own account. The limit for Smarthinking is 5 hours per student. If you desire more time contact Josh Strigle at x-1317 or [dlhelp@cf.edu](mailto:dlhelp@cf.edu).

## Math Websites

[Khanacademy](#) (Links to an external site)

[Quickmath](#) (Links to an external site)

[Purplemath](#) (Links to an external site)