

SUMMER 2022 MAC 1114 – COLLEGE TRIGONOMETRY – Mixed Mode SYLLABUS

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COURSE DESCRIPTION

This class provides the trigonometric preparation for the Calculus sequence. Topics include symbolic, graphical, and numerical analysis of the trigonometric functions; use of trigonometric identities; solving triangles and trigonometric equations; and vectors. A minimum grade of C is required if MAC 1114 is used to satisfy Gordon Rule and general education requirements. Prerequisite is College Algebra or equivalent.

CANVAS

Canvas is Valencia College's online course environment. You can access it through Valencia's home page or by using this address <https://online.valenciacollege.edu/login/canvas>

In the Canvas area for this class, you will find the syllabus, MyMathLab information/access/assignments, course announcements, class notes, discussions, videos, and your grades.

REQUIRED MATERIALS

MyMathLab Access: MyMathLab (MML) is an online computer program containing a variety of resources based on the textbook entitled Trigonometry, 12th edition by Lial, Hornsby, Schneider, Daniels. A physical copy of the textbook is not required since MML includes an electronic version. Most of the work that your grade is based on will be done in MML. An Access Code for MML may be purchased online.

Calculator: TI-84 or other graphing calculator is required for this course.

Computer/Internet Access: Since all work for this class will be done online, you are required to have access to a computer with an Internet connection.

GRADING

Your Class Grade will be determined by your performance on assignments in the following categories: Homework (30%), Quizzes (30%), Midterm Exam (20%), Final Exam (20%).

Homework

- Homework assignments are done in MML.
- There is a Homework assignment for each of the 28 sections the class covers.
- The number of problems in each assignment varies.
- You have an unlimited number of attempts for each homework problem.
- You are allowed to use any resources you'd like.
- There is no time limit and you can access the assignments as often as you'd like but each one has a deadline, which can be found in the syllabus, in Canvas, and in MML.
- Each assignment is scored out of 100 points. After the deadline, scores cannot be changed. A missed assignment results in a score of zero.
- The average of the 28 Homework assignment scores is your Homework Grade, which counts as 30% of your overall Class Grade.

Quizzes

- Quizzes are done in MML.
- Each Quiz covers two sections of material for a total of 14 quizzes.
- Each Quiz has six questions from each section it covers for a total of 12 questions. The questions are based on the Homework assignments for each section.
- You get ONE attempt for each Quiz and there is a 75 minute time limit. Once you start a Quiz, you must complete it in the same session. When you leave the session (either by Submitting or even if the session is interrupted), whatever work you have done is what your score will be based on.
- You are allowed to use any resources you'd like EXCEPT for any form of help from another person. All work is required to be your own.
- Each Quiz has a deadline, which can be found in the syllabus, in Canvas, and in MML.
- Each Quiz is scored out of 100 points. After the deadline, scores cannot be changed. A missed Quiz results in a score of zero.
- The two lowest scored Quizzes will be dropped. The average of the other 12 Quiz scores is your Quiz Grade, which counts as 30% of your overall Class Grade.

Midterm and Final Exams

- There are two Exams (Midterm and Final) and each will have two parts: one part will be done in MML and the other will be done in Canvas.
- For the MML portion of an Exam:
 - The exact conditions are to be determined but may include some form of online proctoring.
 - You may also be required to turn in your work and be able to explain how you did certain problems, and your work/explanations may count as part of your Exam score.
 - The MML Exam questions are based on Quiz questions from the relevant sections. There is review information in Canvas with specifics.
 - Each MML Exam must be taken during certain windows of time. The exact dates are to be determined.
 - You get ONE attempt for each MML Exam and there is a 150 minute time limit. When you leave the session (either by Submitting or even if the session is interrupted), whatever work you have done is what your score will be based on.
 - You are allowed to use any resources you'd like EXCEPT for any form of help from another person. All work is required to be your own.
- For the Canvas portion of an Exam:
 - The exact conditions are to be determined but may include some form of online proctoring.
 - You will be required to turn in your work and your grade will be based on it.
 - The Canvas Exams cover certain sections not included on the MML part. There is review information in Canvas with specifics.
 - Each Canvas Exam must be taken during certain windows of time. The exact dates are to be determined.
 - You get ONE attempt for each Canvas Exam and there is a 90 minute time limit.
 - You are allowed to use any resources you'd like EXCEPT for any form of help from another person. All work is required to be your own.
- The Midterm Exam covers the first 14 sections of material (1.1 through 4.4) and the Final Exam covers the last 14 sections of material (5.1 through 7.5).
- Each part of an Exam (MML and Canvas) is scored out of 100 points. Any missed part results in a score of zero.
- The MML part counts as 70% of an overall Exam score and the classroom part counts as 30%. So the overall Exam score is $(.70)*\text{MML Exam Score} + (.30)*\text{Canvas Exam Score}$
- Neither Exam will be dropped.
- The Midterm Exam counts as 20% of your overall Class Grade and the Final Exam counts as 20% of your overall Class Grade.

Your overall Class Grade is determined by this formula:

$\text{CLASS GRADE} = (.30)*\text{Homework Grade} + (.30)*\text{Quiz Grade} + (.20)*\text{Midterm Exam Score} + (.20)*\text{Final Exam Score}$

The result is rounded to the nearest whole number and you are assigned a letter grade based on this scale:

90-100 A, 80-89 B, 70-79 C, 60-69 D, below 60 F

ATTENDANCE

There is a required attendance activity that must be completed during the first week of the semester in order to verify that you are a participant in this class and that you understand your responsibilities. The details of the assignment can be found in Canvas. If the assignment is not completed you may be withdrawn from the course. No other form of attendance is a direct part of your grade. You are expected to attend our weekly classroom meetings however there is no penalty for missing classes.

WITHDRAWING

The last day to withdraw with a grade of W is Wednesday 7/1. After this deadline, you will not be able to withdraw. You will not be withdrawn by the instructor for any reason, with the exceptions of not doing the required attendance activity during the first week or as a possible consequence of cheating or disrupting the class.

CONDUCT

Students are expected to behave maturely, respectfully, and honestly. You are encouraged to participate in classroom/online discussions (including Zoom meetings) where you can interact with fellow students and ask/answer questions. Be respectful and courteous in order to maintain a positive learning environment. Disruptive behavior may have consequences including being withdrawn from the class.

While you are allowed to use any resources you'd like (including help from other people) for Homework assignments, the work you do for Quizzes and Exams must be solely your own. Receiving any form of help from other people during a Quiz or Exam is considered cheating and if discovered will result in zero scores and possible further action according to Valencia College policy.

Students are expected to be aware of all class policies outlined in the syllabus and in Canvas.

RESOURCES

If you have questions about anything, I am happy to help! You are welcome to send me an email or message through the Canvas Inbox. You can expect email responses within 24 hours during the week and 24-48 hours on the weekend. It will also be possible to set up Zoom meetings for live discussions.

There are also other resources available, including online tutoring (in Canvas) and the Office for Students with Disabilities (OSD). If you have any learning accommodations established by the OSD, let me know and provide the documentation as soon as possible.

DISCLAIMER

The policies in this syllabus and the related course schedule may be changed at the discretion of the instructor. Any changes will be announced in Canvas and by email.

SEMESTER SCHEDULE

This semester has 12 weeks. Each week begins on Monday and ends on Sunday. The following schedule suggests the pace at which you should learn the material and do the Homework/Quizzes.

Week 1 5/9 – 5/15	Orientation, 1.1, 1.2
DUE DATE Sunday 5/15 11:59pm	Required attendance activity in Canvas
Week 2 5/16 – 5/22	1.3, 1.4, 2.1
Week 3 5/23 – 5/29	2.2, 2.3, 2.4
DUE DATE Sunday 5/29 11:59pm	Homework for sections 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4 Quiz 01 on sections 1.1, 1.2 Quiz 02 on sections 1.3, 1.4 Quiz 03 on sections 2.1, 2.2 Quiz 04 on sections 2.3, 2.4
Week 4 5/30 – 6/5	3.1, 3.3, 4.1
Week 5 6/6 – 6/12	4.2, 4.3, 4.4
DUE DATE Sunday 6/12 11:59pm	Homework for sections 3.1, 3.3, 4.1, 4.2, 4.3, 4.4 Quiz 05 on sections 3.1, 3.3 Quiz 06 on sections 4.1, 4.2 Quiz 07 on sections 4.3, 4.4
Week 6 6/13 – 6/19	The MML/Canvas parts of the Midterm Exam will be given during this week. The exact days are to be determined.

Week 7 6/20 – 6/26	5.1, 5.2, 5.3
Week 8 6/27 – 7/3	5.4, 5.5, 5.6 Note the Withdrawal deadline is Friday 7/1
DUE DATE Sunday 7/3 11:59pm	Homework for sections 5.1, 5.2, 5.3, 5.4, 5.5, 5.6 Quiz 08 on sections 5.1, 5.2 Quiz 09 on sections 5.3, 5.4 Quiz 10 on sections 5.5, 5.6
Week 9 7/4 – 7/10	6.1, 6.2
Week 10 7/11 – 7/17	6.3, 7.1, 7.2
Week 11 7/18 – 7/24	7.3, 7.4, 7.5
DUE DATE Sunday 7/24 11:59pm	Homework for sections 6.1, 6.2, 6.3, 7.1, 7.2, 7.3, 7.4, 7.5 Quiz 11 on sections 6.1, 6.2 Quiz 12 on sections 6.3, 7.1 Quiz 13 on sections 7.2, 7.3 Quiz 14 on sections 7.4, 7.5
Week 12 7/25 – 7/29	The MML/Canvas parts of the Final Exam will be given during this week. The exact days are to be determined.