

## MAC 1114 College Trigonometry Summer 2020 CRNs 30277 and 30294 – Online

This syllabus is an agreement between the student and the instructor. By enrolling in and then attending this course, the student agrees to and accepts the terms and conditions of this agreement. It is the responsibility of the student to carefully read this syllabus/agreement in its entirety and to adhere to all policies and procedures within the syllabus.

---

**Instructor:** Michael Nicoloff

**Phone:** 407-582-2366

**Email:** [mnicoloff@valenciacollege.edu](mailto:mnicoloff@valenciacollege.edu)

**Student Engagement Hours/Location:** Weekly Zoom Sessions Listed in Canvas

---

### Materials Required and Optional:

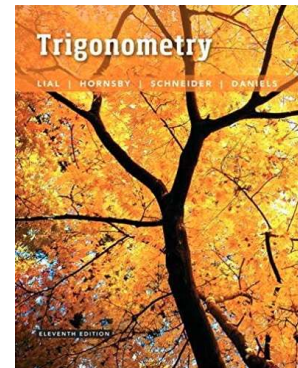
**1) Internet Access:** This is an online course. Therefore, you must have reliable access to an internet enabled device.

**2) Textbook:** MML New Design T/A Trigonometry for Valencia, 11<sup>th</sup> Edition by Lial, Hornsby, Schneider and Daniels. This textbook is available electronically as an eBook via MyMathLab. **Do Not purchase** a “physical” copy of the book.

**Note (1):** you must purchase the MyMathLab access card from the Valencia East Campus bookstore. MyMathLab is an on-line application program that we will be using for homework assignments, tests and quizzes and it includes an eBook. The cost is \$97.60. **Do not Purchase** the “physical” book. You can also purchase the access directly from MyMathLab/Pearson, but that cost is \$104.99.

**Note (2):** you will access MyMathLab via Canvas. Login to Canvas and go to your MAC1114 Course and then click on “MyLab and Mastering” (left side of the page) and then click on the MyMathLab link labeled “Open MyLab & Mastering”. This will automatically enroll you in MyMathLab if you have a MyMathLab account with your Valencia email address as your username, if not, then the MyMathLab login page will be displayed. Next, create an account using your Valencia email address as your username. Going forward, when you click on the “Open MyLab & Mastering” link in Canvas under “MyLab and Mastering” and it will automatically log you into MyMathLab.

**Note (3):** you can sign up for 2 weeks of free MyMathLab access, **which I highly recommend.**



**ISBN-13: 978-0135976685**

**3) Calculator:** TI-83 or 84 Graphing Calculator. If you do not have a TI-83/84 calculator, then the TI emulator software may be a good option since we will not be able to loan out calculators this semester and it is free for 90 days. <https://education.ti.com/en/downloads/trial-software>

---

**Course Description and Prerequisites:** Prerequisite: Minimum grade of C in MAC 1105 or an appropriate score on an approved assessment. Topics include a symbolical, graphical and numerical analysis of trigonometric functions; solutions of plane triangles and vectors. Applications emphasizing connections with other disciplines and with the real world will be included. Technology tools will be utilized in addition to analytical methods. Gordon Rule course. Minimum grade of C required if MAC 1114 is used to satisfy Gordon Rule and general education requirements

<http://catalog.valenciacollege.edu/coursedescriptions/coursesoffered/mac/>

---

**Evaluation Process:** The course will consist of four (4) exams, each exam is cumulative, and each is worth 17.5% of your overall grade. MyMathLab homework assignments (cumulative grade) will be worth 20% of your final grade. In addition, there will be written weekly assignments through Canvas and those assignments (cumulative) will be worth 10% of your final grade. Your overall letter grade will be based on the grading scale below:

**A** = 90—100%      **B** = 80—89%      **C** = 70—79%      **D** = 60—69%      **F** = Below 60%

---

**Attendance Policy:** This online class has no required synchronous class meetings; however, missing more than four assignments or not complying with the No Show Status Policy will subject the student to being withdrawn.

The **No Show Status Policy** By the "Program Integrity and Documentation of Online Course Attendance" published by the U.S. Department of Education and adopted by Valencia College, any student registered in an online course must show attendance. The Department of Education has made it clear that by simply logging into an online course does not constitute attendance as an "academically-related activity." The way a student shows attendance in this course is by:

(1) by registering with MyMathLab during the first week of classes (and this can be done through the 2-week initial free access and

(2) completing the first written assignment posted in Canvas no later than midnight, Monday, 5/11/2020.

If you have not completed both of these assignments, then you have not complied with the Department of Education attendance policy, and you will be withdrawn from this course as a No-Show. **If you are withdrawn as a "no show," you will be financially responsible for the class and a final grade of "WN" will appear on your transcript for the course.**

---

### Withdrawal Policy:

Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who withdraws from class before the established deadline for a particular term will receive a grade of "W." A student is not permitted to withdraw after the withdrawal deadline of **June 26, 2020 (Friday) by 11:59pm**. A faculty member MAY withdraw a student up to the beginning of the final exam period for violation of the class attendance policy. A student who is withdrawn by faculty for violation of the class attendance policy will receive a grade of "W". Any student who withdraws or is withdrawn from a class during a third or subsequent attempt in the same course will be assigned a grade of "F". For a complete policy and procedure overview on Valencia Policy 4-07 please go to:

<http://valenciacollege.edu/generalcounsel/policy/documents/Volume4/4-07-Academic-Progress-Course-Attendance-and-Grades-and-Withdrawals.pdf>

---

### Makeup Policy:

All exams must be taken on or before the assigned due dates. No makeup exams are available without explicit consent of instructor which will only be granted in case of documented extreme emergency. The final exam must be taken on the date published for the final exam, which is Monday July 27, 2020. Homework via MyMathLab can be submitted after the due date but there is a 1% penalty per day for non-submitted correct answers.

---

### Important Dates:

<b>Classes Begin</b>	May 4, 2020 (Monday)
<b>Drop Deadline</b>	May 11, 2020 (Monday) by 11:59 pm
<b>Withdrawal Deadline</b>	June 26, 2020 (Friday) by 11:59 pm
<b>Unit IV/Final Exam</b>	July 27, 2020 (Monday)

---

**Zoom Recording Policy:** Class sessions may be recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. Note: To play a previously recorded Zoom session you will need a password.

---

### Computer and Internet Requirements:

This is an online course. Therefore, you must have reliable access to an internet enabled device. In addition, you will must have:

1. Access to ATLAS email and other websites as needed.

2. Access to Canvas course page: <https://online.valenciacollege.edu>
    - Use your ATLAS Username and Password
    - Make sure you run the Canvas Browser Requirements Check.
    - If you are new to Canvas, I recommend taking the Canvas 101 tutorial course.
    - Make sure you set your Notifications to notify you of class Announcements!
  3. Ability to make and send a digital image, a cell phone can be used to do this.
  4. Ability to download and read PDF files and be able to upload PDF files through Canvas.  
For example, CamScanner is a free application and it allows you to merge multiple digital images into a single PDF file.
- 

**Course Outcomes:** Upon successful completion of this course, the student should be able to demonstrate and understanding of the following:

- 1) Trigonometric functions, their properties and graphs:**
    - Demonstrate an understanding of trigonometric functions.
    - Analyze and interpret trigonometric functions using graphs, tables and equations.
    - Understand and utilize degree and radian measure of angles.
  - 2) Inverse trigonometric functions, their properties and graphs:**
    - Construct the inverse of a trigonometric function, both graphically and algebraically when feasible.
  - 3) Trigonometric identities:**
    - Verify and apply trigonometric identities.
  - 4) Conditional trigonometric equations:**
    - Solve trigonometric equations numerically, graphically, and algebraically.
  - 5) Solutions of triangles:**
    - Demonstrate the ability to find unknown angles and side lengths using trigonometry
    - Solve applications using solutions of triangles.
  - 6) Vector algebra:**
    - Demonstrate an understanding of vectors, their graphical representation and vector algebra.
  - 7) Parametric equations:**
    - Sketch and identify graphs using parametric equations.
    - Convert rectangular equations to parametric form and vice versa.
  - 8) Polar coordinates:**
    - Sketch and identify graphs in polar coordinates.
    - Convert rectangular equations to polar form and vice versa.
  - 9) Applications:**
    - Model real-world applications using the trigonometric functions.
    - Apply degree and radian measures to arc length and area.
-

**Email:** [mnicoloff@valenciacollege.edu](mailto:mnicoloff@valenciacollege.edu)

**Front Door (Faculty web page):** <http://frontdoor.valenciacollege.edu/?mnicoloff>

**Valencia I.D. Cards:** <http://catalog.valenciacollege.edu/student-services/student-id-card/>

**Math Department:** (407) 582-2366

**Mathematics East Campus Web Site:**

<https://valenciacollege.edu/academics/departments/math-east>

---

**Pandemic community resources:**

<https://valenciacollege.edu/alerts/coronavirus-community-resources.php>

**Financial Aid:** Students can email [finaidoffice@valenciacollege.edu](mailto:finaidoffice@valenciacollege.edu) or call 407-582-1507.

**Student counselors/advising:** Students who want to talk with a Valencia counselor for emotional support and resources should:

- Submit a "Counseling Support Form" at: <http://bit.ly/CounselingSupport> and a counselor will reach out to you.
- Or email [advising@valenciacollege.edu](mailto:advising@valenciacollege.edu) and indicate you want to talk with a counselor
- Or call 407-582-1507 Hours of operation: Monday – Thursday 8:00am – 8:00pm, Friday, 8:00 AM – 5:00 PM, Saturday and Sunday, 10:00 AM – 3:00 PM.

**Virtual Answer Center Advisors:** Advisors are available to assist with steps to enrollment, follow up on the admissions process, review and determine financial aid needs, and clarify initial educational goals.

- Virtual office hours: <https://valenciacollege.zoom.us/j/114067187>
  - Hours of operation: Mon – Fri. 7:00 am – 10:00 pm, Sat. & Sun. 10:00 am – 10:00 pm
  - Website: <https://valenciacollege.edu/students/answer-center/>
- 

**Time Commitment:** Note that an online course may need more time commitment than an onsite course. Since this is an online course, the three hours a week that you would normally use to attend lectures should be spent online reading the textbook, watching lecture videos, working through practice exercises and taking tests. Any college course also requires at least two hours of study-time for every lecture hour. Thus, you should allocate at least another six hours a week on study time activities such as working on assigned homework and sample tests. This course may take more time than you expect.

**Tips for Success:**

- Set aside time for the class. Treat the online class as a face to face class with set hours. For every credit hour, you should expect to spend approximately two to three hours studying.

- Take organized notes as you work through each section. Your notes should include the section and the title of the section. Be sure to include definitions, formulas, strategies/steps for solving and any other relevant information.
- Make sure you write down and solve homework problems as if you're turning them in for credit. That way you have something to reference when preparing for your exams.
- If there's prerequisite material you have forgotten, don't be afraid to look it up on YouTube, Google, etc.
- Remember there are 2 parts to learning math-knowing what to do and knowing when to do it.
- Don't get behind. If possible, work ahead!
- Work ahead in the beginning so you have more time later in the semester.
- Use the resources that are available to you.
- Communication is key in an online class. If you need assistance, be sure to contact your instructor immediately.
- Form a study group, it makes homework more fun. You have peers and access to zoom.

---

**Course schedule:**

Week	Textbook Sections	Exams	Test Date
1-3	Chapter 1–2	Exam 1: (Chapters 1–2)	Week of 5/18/2020
4–7	Chapters 3–4	Exam 2: Cumulative (Chapters 1–4)	Week of 6/8/2020
7–12	Chapter 5–6	Exam 3: Cumulative (Chapters 1–6)	Week of 6/29/2020
13–16	Chapter 7–8	Final Exam: Cumulative (Chapters 1–8)	7/27/2020

---

**Student Code of Conduct:** All students are expected to be in compliance with Valencia College's policy on student code of conduct.

<http://valenciacollege.edu/generalcounsel/policy/documents/Volume8/8-03-Student-Code-of-Conduct.pdf>

**Academic Honesty:** All students are expected to be in compliance with Valencia College's policy on academic honesty.

<http://valenciacollege.edu/generalcounsel/policy/documents/8-11-NF-NN-Academic-Dishonesty.pdf>

All Exams including the Final Exam should be completed without any assistance, including online resources. If I question the legitimacy of your assessment, I will contact you to demonstrate your understanding over the phone or live via a Zoom session. You will receive a Zero if you cannot demonstrate competency in line with your submission or if you do not reply to my request for a meeting within 48 hours. Students have a responsibility to maintain the academic integrity of the school and to meet the highest standards of academic conduct. Academic misconduct is subject to disciplinary action, including zero grades and course failure. Please refer to your student handbooks for details.

**Withdrawal Policy:** <http://valenciacollege.edu/generalcounsel/policy/documents/Volume4/4-07-Academic-Progress-Course-Attendance-and-Grades-and-Withdrawals.pdf>

---

**ONLINE LEARNING ASSISTANCE RESOURCES:**

- **Valencia's Virtual Tutoring Service:** In response to COVID-19, Valencia's tutoring services have moved online and are available live for all math students. To get started, visit <https://online.valenciacollege.edu/enroll/N37KF9> and self-enroll in the math tutoring course in Canvas. This is where you will access the link to live tutoring (via Zoom), as well as the schedule of tutors, times, and services.
  - **Valencia's Math Help 24/7:** Valencia Math professors have created pen-casts and videos of common lessons to help you learn the concepts being presented in class. This resource is located at: <https://valenciacollege.edu/academics/departments/math-east/math-help.php>. Click on your course to view your lessons. Some lessons have more than one professor's perspective; watch more than one!
  - **Smarthinking:** Smarthinking is an online tutoring tool available to all of Valencia's students, and math tutors are available 24/7. You can access Smarthinking through the Courses tab in Atlas, in the My Courses channel. Students have a limited number of hours available, and therefore, Smarthinking is best used as a back-up to Valencia's virtual tutoring service, not as a replacement. There are Smarthinking phone applications for both iOS and Android devices. <https://valenciacollege.edu/students/learning-support/smarthinking-online-tutoring.php>
  - **Distance Tutoring Guide and Additional Resources:**  
Visit <https://libguides.valenciacollege.edu/c.php?g=1014597&p=7348794> for more information on virtual learning support services, including links to live Valencia tutoring for other subjects.
- 

**Students with Disabilities:** Valencia students who qualify for academic accommodations must provide the professor with a Notification to Instructor (NTI) from the Office for Students with Disabilities (OSD). Students are expected to discuss their specific needs with the professor, preferably during the first two weeks of class. OSD determines accommodations based on appropriate documentation of disabilities. East: Bldg. 5, Rm. 216 Ph: 407-582-2229 Fax: 407-582-8908 TTY: 407-582-1222. Here are the campus locations and contact numbers: <https://valenciacollege.edu/students/office-for-students-with-disabilities>

---

**Note to International Students (F-1 or J-1 Visa):** Please be advised that withdrawal from this course due to attendance may result in the termination of your visa status if you fall below the full-time enrollment requirement of 12 credit hours. Contact Valencia's International Student Services office for more information. <http://valenciacollege.edu/international/>

**Core Competencies of a Valencia Graduate:**

Valencia's Student Core Competencies are complex abilities that are essential to lifelong success. This course will help you to develop and demonstrate the abilities to:

- 1) THINK clearly, critically, and creatively;
- 2) COMMUNICATE with others verbally and in written form;
- 3) Make reasoned VALUE judgments and responsible commitments;
- 4) ACT purposefully, reflectively, and responsibly.

Due to the nature of these global competencies, many of the problems will be presented in the context of an application. These applications will require students to select appropriate information from the problem and communicate effectively in order to explain and/or describe how the student used the skills they are learning to arrive at an appropriate solution for the problem.

---

**Student Feedback on Instruction (SFI):** Near the end of the term, students will receive an invitation through their Valencia ATLAS email account asking them to complete the Student Feedback on Instruction (SFI). This survey provides Valencia College professors with feedback on students' experiences in courses and helps them to continually improve their courses. The results are released only *after* grades are submitted and students' names are *not* included in the results – all responses will be anonymous.

---

**Student Assistance Program:** Valencia College has contracted with a private and confidential counseling service (**Bay Care Behavioral Health Student Assistance Program (SAP)**) to provide FREE short-term assistance to students who need to resolve problems that are affecting their college performance. Examples might include: stress, relationship/family issues, alcohol/drug problems, eating disorders, depression, and gender issues. Students who are experiencing any of these issues and who are enrolled in credit classes at Valencia should call the toll-free number 1-800-878-5470 to speak to a professional counselor. If needed, the counselor may refer the student to appropriate resources or to speak face-to-face with a licensed counselor. For more information, call or visit a Counselor in Student Services on any campus.

---

**Support for Students with Food/Housing/Financial Needs:** Any student who has difficulty accessing sufficient food to eat, or who lacks a safe and stable place to live, and believes this may affect his or her performance in the course, is urged to meet with a Counselor in the Advising Center by completing this online form: <http://bit.ly/CounselingSupport> or calling 407-582-1507.

---

**FERPA (Family Educational Rights and Privacy Act):** FERPA is a Federal law that is administered by the Family Policy Compliance Office (Office) in the U.S. Department of Education (Department). 20 U.S.C. § 1232G; 34 CFR Part 99. FERPA affords students certain rights with respect to their educational records. Valencia College has a firm commitment to protecting the



privacy rights of its students. For further information on FERPA, see: <http://valenciacollege.edu/ferpa/default.cfm#whatis>

---

**Title IX:** Valencia College strives to be a place free from all forms of discrimination. Title IX protects students from discrimination based upon sex including protections against sexual violence, domestic violence, and stalking. This also includes protections for students who are pregnant or may become pregnant. If you experience sexual violence, domestic violence, or stalking and would like assistance there are several options available to you. Valencia partners with the Victim Service Center of Central Florida which is a confidential resource available 24/7. They can be reached by calling 407-497-6701. If you would like assistance on campus, you can go to [www.valenciacollege.edu/eo](http://www.valenciacollege.edu/eo) or contact Valencia College's Title IX and Equal Opportunity Officer, Ryan Kane, by emailing [rkane8@valenciacollege.edu](mailto:rkane8@valenciacollege.edu). If you would like to report to law enforcement, you may visit Campus Security or call 911.

Please note that there are no confidential resources on campus. As your professor, I am required to report any information mentioned in this statement to the appropriate campus resources. This will include your name, and detailed information shared with me. We take privacy very seriously at the College and only those who have a legitimate need to know the information will be provided with this information.

If you have more questions about Title IX or the College's response, please visit [www.valenciacollege.edu/eo](http://www.valenciacollege.edu/eo).

---

**Disclaimer:** Changes in the syllabus, schedule, evaluation procedures, and/or homework assignments may be made at any time at the discretion of the professor. In case you are absent, it is **your** responsibility to find out what, if any, announcements or changes have been made.