

**CSN - MATH 127 PRECALCULUS II TRIGONOMETRY (8 WEEK DE)
SYLLABUS SPRING 2021**

MATH 127 Section 1005

INSTRUCTOR: Eric Hutchinson

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ONLINE OFFICE HOURS: MTWR 11:00am – 12:15pm (send email for Zoom link)

COMMUNICATION: The best way to contact me is through either through my CSN email: eric.hutchinson@csn.edu, or through the CANVAS email. **NOTE: I will be sending all course announcements through CANVAS.** You can choose an email address to have your CANVAS announcements forwarded to, so make sure this is an address you regularly check and is active.

WEBSITE: <http://www.hutchmath.com> This web site **MUST** be accessed to obtain PDF copies of the syllabus, schedule, test review problems, notes, and videos. From the web site, click on MATH 127 (8 WEEK DE). No password is needed. Note: you can also access my homepage by opening a web browser and enter “Eric Hutchinson” and CSN in the search box. To find out more about your instructor, you can click on MY BIO. There is also a link to the tutoring center on the main web site. **NOTE:** We will **NOT** be using Canvas but we **WILL** be using ALEKS in this course.

COURSE DESCRIPTION: Topics include an in-depth investigation of trigonometric functions and their graphs, analytic trigonometry, solutions of triangles, vectors, and analytic geometry. Note: This course is essential for students planning to take calculus.

COURSE OBJECTIVES : By the end of this course, students will be able to: 1) Analyze trigonometric and parametric function properties. 2) Graph trigonometric and parametric functions. 3) Verify trigonometric identities. 4) Solve trigonometric and parametric equations. 5) Solve triangles using the Law of Sines and the Law of Cosines. 6) Analyze the concept of vectors and polar coordinates. 7) Investigate properties of conic sections. 8) Apply and extend all concepts.

PREREQUISITE: MATH 126 with grades of C or better, or Satisfactory SAT/ACT/Placement Test score

REQUIRED MATERIALS: You **MUST** purchase a Lumen OHM student access code which will give you access to all the required assignments for this course. This also contains a digital textbook and gradebook.

Title: Precalculus II (OHM bundle)

ISBN: 9781640870284

Author: Lumen & Openstax et al.

Publisher: Lumen, Inc.

Cost: \$25 per course.

NOTE: This code can **ONLY** be purchased from the CSN bookstore online. Please follow the instructions attached to this syllabus to register. The course ID and enrollment key will be provided in Canvas on the first day of class and will also be emailed to you. If you used Lumen for MATH 126, unfortunately you will need to purchase a new code for this course.

CALCULATOR: A scientific calculator is required (not on a mobile device). A recommended scientific calculator is the TI-30XS Multiview. It has math print mode, so it displays exact answers in radical or fraction form. If you already have a graphing calculator then you may use it in class and during the exams. NOTE: I do not have a calculator to loan out during the exams.

MATERIAL COVERED: Selected sections from chapters 4 – 7.

HOMEWORK ASSIGNMENTS: Your homework will be done online in Lumen OHM. Each week there will be a group of homework section assignments due on Sunday nights at 11:59pm (see attached list to see which sections are due each week). Your first objective is due Sunday, 3/21. Each week there are multiple sections of homework due, so you will want start working immediately once the course begins. These homework assignments make up 20% of your overall grade. These homework assignments are not something you can bang out in an afternoon. There are numerous problems to do so it's best to work on it in short chunks several times a week versus spending hours and hours on one day. The attached Lumen registration instructions will explain how to access the homework.

TESTS: There will be 3 online exams that will be completed in Lumen Ohm (see schedule for dates). These may be done from home (see schedule for dates and which sections each exam covers). I will have review problem lists and practice exams for the tests which are available from my website. You will have one attempt at each test, and you will be given 2 hours to complete each exam. Since the exams are initially graded by Lumen, I want to be able to give you partial credit. You will be emailed an attachment in which you will do your written work. You must scan a copy of your written work within 30 minutes of completing the exam online in Lumen. The answers on your scratch work must match the answers you entered in Lumen. If you do not enter your answers in Lumen, then you will not receive full credit even if the answers on your scratch work are correct. The average of Test 1, Test 2, and Test 3 make up 50% of your overall grade.

FINAL EXAM: There will be one online comprehensive final exam that will be completed in Lumen OHM. The final exam will be available all day on Wednesday, May 12th. I will have a review problem list and practice exam for the final which is available from my web site. You will have one attempt for the final exam, and you will be given 2 hours to complete the exam. You will be emailed an attachment in which you will do your written work. You must scan a copy of your written work within 30 minutes of completing the exam online in Lumen. The answers on your scratch work must match the answers you entered in Lumen. If you do not enter your answers in Lumen, then you will not receive full credit even if the answers on your scratch work are correct. The final exam will make up 30% of your overall grade.

EXTRA CREDIT: There will be an online final exam review assignment in Lumen OHM that will become available the week before the final exam. This will allow you to earn up to 5% that will be added to your final exam percent. In addition, your two lowest homework scores from the whole semester will be dropped. Besides this, no other extra credit assignments will be offered.

MAKEUP WORK AND EXTENSIONS: There are no make-up exams or extensions. Failure to complete a test (or the final exam) will result in a score of zero. Absolutely no makeups or extensions on the Lumen OHM homework assignments.

STANDARD OF WORK: When work/explanation is requested, correct answers generally must be supported by correct work to receive credit. You may lose credit, even if the final answer is correct, if the instructor can't easily read or understand your work, if necessary details, work, or interpretations are missing, if work is not logically presented in an easily understandable manner, or if work is shown but is incorrect and/or not consistent with your answer.

WITHDRAWALS: If you stop attending class or quit completing the required work, you will NOT be assigned an automatic "W" or "Withdraw" grade; you will receive a grade based on your percentage shown above on the grading scale. **If you wish to be withdrawn from this course, it is your responsibility to officially drop the course by the drop date listed in the college catalog/schedule of classes, which for this semester is April 23rd (last day to audit is also April 23rd).** The instructor CANNOT assign a "W" as a final grade under any circumstances.

GRADING:	Homework	20%	Grading Scale	≥ 92	A
	Tests	50%	% Cutoffs:	90 – 91.9	A–
	Final Exam	30%		88 – 89.9	B+
				82 – 87.9	B
				80 – 81.9	B–
GRADING FORMULA:				78 – 79.9	C+
0.2 * Homework Score + 0.5 * Test Average + 0.3 * Final Exam Score				70 – 77.9	C
OVERALL GRADE: Overall grades are given with teacher discretion, and overall percents are rounded to the nearest tenth.				68 – 69.9	D+
				60 – 67.9	D
				< 60	F

DATE OF LAST ATTENDANCE: Due to financial aid guidelines, CSN instructors are required to record a "Date of Last Attendance" (DOLA) for any student issued a failing grade. Any student who receives an F grade in this class shall have the corresponding DOLA recorded as the date on which the last coursework was submitted. If an F is to be issued and all the coursework is completed, the DOLA will be recorded as "FULLY ATTENDED". If no coursework is submitted, the DOLA will be recorded as "NEVER ATTENDED".

STUDENTS' RIGHTS AND RESPONSIBILITIES: When you choose to become a student at CSN, you accept the rights and responsibilities of membership in CSN's academic and social community. You can find policies covering students such as the Student Conduct, Students' Right to Know, Students' Academic Integrity, and Disruptive and Abusive Student in the following locations:

- Catalog and Student Handbook: <https://www.csn.edu/catalog> in the Policies and Procedures section.
- CSN Website: <https://www.csn.edu/policies-procedures> under the heading "Student Policies."

ACADEMIC INTEGRITY: You are expected to complete your own work in this class. Cheating on exams or lab exercises is not fair to students who are honestly studying. Cheating is also subject to penalties, which can include getting a zero for the exam or lab exercise or failing the course. The full list of possible penalties is listed in the CSN Student Academic Integrity Policy. Please make yourself familiar with this policy (<https://at.csn.edu/documents/student-academic-integrity-policy>).

DISABILITY RESOURCE CENTER (DRC) – The College of Southern Nevada is committed to making physical facilities and instructional programs accessible to students with disabilities. If you have a disability that may have some impact on your work in this class and for which you may require accommodations, please visit the Disability Resource Center (DRC) so that such accommodations can be considered. All discussions will remain confidential. The Disability Resource Center (DRC) has offices at all three campus locations as the focal point for coordination of services for students with disabilities. If you have a physical, emotional, or mental disability that “substantially limits one or more major life activities (including walking, seeing, hearing, speaking, breathing, learning and working),” and will require accommodation in this class, please contact the DRC at WC (702) 651-5644 , or email at WCDRCStaff@csn.edu at NLV (702) 651-4045, or email at CYDRCStaff@csn.edu and at HNC (702) 651-3795, or email at HCDRCStaff@csn.edu. For Deaf and Hard of Hearing Services contact (702) 651- 4448, or email at Deaf.HH.Services@csn.edu. Students that receive accommodation letters, please meet with me to discuss the provisions of those accommodations as soon as possible.

CSN LIBRARIES: CSN Libraries provides support for students completing assignments that require research and the use of information. Librarians are available to students for one-on-one assistance locating and citing quality information either online (<https://library.csn.edu/ask/>) or at one of our campus libraries. Find more information on our website (<https://library.csn.edu/>).

CENTERS FOR ACADEMIC SUCCESS (CAS) Centers for Academic Success (CAS) provides quality DROP-IN academic assistance to all students enrolled in for-credit courses at CSN. CSN CAS Tutors are available online through Smarthinking, which is accessed in the Canvas online learning management system. View a tutorial video on how to access CSN Tutors/Learning Assistants online at [How to Access CSN Tutors in Smarthinking](#). You may choose “Submit a Question” if you don’t have time for a live session. A Tutor responds to offline questions within 24 hours. Contact us at one of campus phone numbers, and we will assist you with accessing all learning support. Academic learning support includes assistance with placement test preparation, learning strategies, Canvas, Smarthinking online tutoring, Microsoft Office, reading, writing, oral presentations, math, and science. CAS Tutors also provide support in facilitating study groups. You may experience embedded learning assistance in one of your first-year courses. Professors and CAS Staff will make you aware of how to access services as part of your course curriculum. CAS is open Monday through Sunday to be more accessible to all students – Monday – Thursday 9:00 a.m. to 6:00 p.m. and Friday – Sunday 11:00 a.m. to 4:00 p.m. Smarthinking tutors are available 24/7. You may visit <http://www.csn.edu/centers-academic-success> for more details or contact us at one of our offices during our regular operational hours: Charleston Centers (702-651-5732), North Las Vegas Learning Commons (702-651-4232), Henderson Learning Commons (702-651-3125).

*Students will receive notification as on-ground tutoring services resume.

STUDENT NEEDS: “Any student who has difficulty affording groceries or accessing sufficient food to eat every day, or who lacks a safe and stable place to live, and believes this may affect their performance in the course, is urged to contact Counseling & Psychological Services (CAPS), for a list of resources and support.”

COUNSELING AND PSYCHOLOGICAL SERVICES (CAPS) The Counseling and Psychological Services (CAPS offers short-term, problem-focused counseling to CSN students who may feel overwhelmed by the responsibilities of college, work, family, and relationships. Clinicians are available to help students cope with stresses and personal issues that may interfere with their ability to perform in school. The service is provided confidentially and free to currently enrolled students. To schedule an appointment, please call CAPS at WC (702) 651-5518, at NLV (702) 651-4099, and at HN (702) 651-3099.”

MANDATORY FURLOUGHS All CSN faculty are subject to four (4) mandatory days furloughs as set forth by the Nevada System of Higher Education (NSHE), approved by the Board of Regents (BOR) and mandated by the State of Nevada. Furloughed employees are not expected to perform any work during the time furlough is taken, including checking and responding to their work email. Faculty will not take furlough time during times of instruction. Students may experience a slower response to email questions or requests for assistance during their designated furlough time.

EARLY ALERT SYLLBUS STATEMENT: Early Alert Referral Program (MyCoyotePLAN) – A referral program to connect students with college resources when assistance is needed to achieve success. Referrals may be initiated by faculty and staff as well by students through MyCoyotePLAN. After a referral is submitted, students will receive an email notification and will be contacted by the department to which they were referred to offer assistance.

IMPORTANT NOTE - If you have any concerns about this course and/or me, please contact me first. If I cannot resolve your issue, please contact Math Department Office at 702-651-7585. You will be directed to the Department Chair. You will remain anonymous, if possible, and all communications will be strictly confidential. Please DO NOT wait until the last minute to make your concerns known to me and/or to the Math Department.

CHANGES: Information contained in this syllabus may be subject to change as deemed appropriate by the instructor with advance notification. Also note that this class could go all online depending on the pandemic and the governor’s direction. If this happens a modified syllabus will be given to you.

Homework Due Dates for MATH 127 (8 WEEK) SPRING 2021

Week	Dates	Sections	Homework Due Date:
1	3/15 – 3/21	Sec 4.1, 4.2, 4.3	3/21/21 @ 11:59P
2	3/22 – 3/28	Sec 4.4, 4.5, 4.6, 4.7	4/4/21 @ 11:59P
	3/29 – 4/4	----- <u>SPRING BREAK RECESS</u> -----	
3	4/5– 4/11	Sec 5.1, 5.2	4/11/21 @ 11:59P
4	4/12 – 4/18	Sec 5.3, 5.4, 5.5, 6.1	4/18/21 @ 11:59P
5	4/19 – 4/25	Sec 6.2, 6.3	4/25/21 @ 11 :59P
6	4/26 – 5/2	Sec 6.6, 7.1, 7.2	5/2/21 @ 11:59P
7	5/3 – 5/9	Sec 7.3, 7.4	5/9/21 @ 11:59P
8	5/10 – 5/12	Bonus Review Assignment	5/12/21 @ 11 :59P

EXAM DATES:

TEST 1 (Ch. 4)

Tuesday 4/6/21

TEST 2 (Ch. 5, 6.1, 6.2)

Wednesday 4/21/21

TEST 3 (6.3, 6.6, 7.1 – 7.4)

Thursday 5/6/21

FINAL EXAM (CUMULATIVE)

Wednesday 5/12/21

Tentative Schedule for MATH 127 SPRING 2021 (8 WEEK)

Date	Day	Section
3/15	M	Intro, 4.1
3/16	T	4.1, 4.2
3/17	W	4.2, 4.3
3/18	R	4.3, 4.4
3/22	M	4.4, 4.5
3/23	T	4.5, 4.6
3/24	W	4.6, 4.7
3/25	R	4.7
3/29	M	<u>NO CLASS – SPRING BREAK RECESS</u>
3/30	T	<u>NO CLASS – SPRING BREAK RECESS</u>
3/31	W	<u>NO CLASS – SPRING BREAK RECESS</u>
4/1	R	<u>NO CLASS – SPRING BREAK RECESS</u>
4/5	M	REVIEW
4/6	T	<u>TEST 1 (Ch. 4)</u>
4/7	W	5.1
4/8	R	5.2
4/12	M	5.3
4/13	T	5.4
4/14	W	5.5
4/15	R	6.1
4/19	M	6.2
4/20	T	REVIEW
4/21	W	<u>TEST 2 (Ch. 5, 6.1, 6.2)</u>
4/22	R	6.3
4/26	M	6.6
4/27	T	6.6
4/28	W	7.1
4/29	R	7.2
5/3	M	7.3
5/4	T	7.4
5/5	W	REVIEW
5/6	R	<u>TEST 3 (6.3, 6.6, 7.1 – 7.4)</u>
5/10	M	REVIEW FOR FINAL
5/11	T	REVIEW FOR FINAL
5/12	W	<u>FINAL EXAM (CUMULATIVE)</u>

LUMEN OHM REGISTRATION INSTRUCTIONS

- 1.) Go to <https://ohm.lumenlearning.com> (There is also a link on my website.)
- 2.) If you have previously used Lumen OHM and already have a username and password from a previous course, you can enter it on the two white blanks above the LOGIN button. Otherwise, click the ENROLL IN A NEW COURSE button
- 3.) When it asks you to enroll in a course, enter the course ID and Enrollment key that appears when you log into this course in Canvas. It will also be emailed to you. Click the ENROLL button. NOTE: You will get two weeks of free access before it will ask you for an access code.
- 4.) On the next page it will ask you to sign in if you already have an OHM account. If you are new to OHM then you will need to sign up by picking a username and password. When you sign up, please use your official name with the college. Do not use abbreviations or initials. When it asks for an email address, make sure it is an email you regularly check.
- 5.) Once you login, you will see **MATH 127 (8 WEEK DE) SPRING 2021 HUTCHINSON** as the name of the course. You will see a folder for each week of the course. You can access each folder by clicking on it and you can expand and collapse each one by clicking on the little black triangles. Each section for that week will contain a copy of my lecture notes, a link to the online textbook section, and the homework assignment. Remember homework assignments are always due on Sunday nights, and the assignment will also state its due date. Start by completing the OHM Student Assignment Tutorial. This will explain how to enter your answers as you work on the homework assignments.