

CSN - MATH 127 PRECALCULUS II (8-WEEK DE)
SYLLABUS FALL 2021

MATH 127 Section 1005

INSTRUCTOR: Eric Hutchinson

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OFFICE HOURS: Mondays through Thursdays 12:45pm – 2:00pm

ALTERNATE OFFICE HOURS: Online by appointment

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 (8WK CLASSROOM). 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 in this course other than for communication.

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:

- Precalculus, by Jay Abramson (a customized version by Eric Hutchinson). This book is free so there is nothing you need to purchase from the bookstore. You can download the book for free from within the MyOpenMath Learning Management System.
- MyOpenMath access (www.myopenmath.com) This is a free online learning management system in which you will do all your homework. (See registration instructions at the end of the syllabus.)
- Scientific calculator (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 during the exams.

MATERIAL COVERED: Selected sections from chapters 6 – 10.

HOMEWORK ASSIGNMENTS: Your homework will be done online in MyOpenMath (MOM). 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 homework assignment is due Sunday, 10/31. 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 MOM registration instructions will explain how to access the homework.

TESTS: There will be 3 online exams that will be completed in MyOpenMath (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 MOM, 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 MOM. The answers on your scratch work must match the answers you entered in MOM. If you do not enter your answers in MOM, 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 MyOpenMath. The final exam will be available all day on Thursday, December 16th. 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 MOM. The answers on your scratch work must match the answers you entered in MOM. If you do not enter your answers in MOM, 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 extra credit opportunity for Test 1. You can earn 5% on Test 1 by seeing a tutor in person or through Smarthinking at least once before 11/10/21. In addition, there will be an online final exam review assignment in MyOpenMath 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 MyOpenMath 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 November 27th (last day to audit is also November 27th).** 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
GRADING FORMULA:				80 – 81.9	B–	
0.2 * Homework Score + 0.5 * Test Average + 0.3 * Final Exam Score				78 – 79.9	C+	
OVERALL GRADE: Overall grades are given with teacher discretion, and overall percents are rounded to the nearest tenth.				70 – 77.9	C	
				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”.

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 DRC has offices on all three campuses. These serve 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 West Charleston 702–651–5644, or email at WCDRCStaff@csn.edu or at North Las Vegas 702–651–4045, or email at CYDRCStaff@csn.edu or at Henderson 702–651–3795, or email at HCDRCStaff@csn.edu. For Deaf and Hard of Hearing Services contact the DRC using 702–651–4448, or email at Deaf.HH.Services@csn.edu. Any student who receives an accommodation letters from the DRC, 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/>

STUDENT 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 and the CSN Website: <https://www.csn.edu/policies-procedures> under the heading "Student Policies."

PUBLIC HEALTH DIRECTIVES (COVID-19): Students must follow all active CSN public health directives while enrolled in this class, such as properly worn face coverings when required in classrooms as well as inside campus buildings. CSN public health directives are found at <https://at.csn.edu/covid-19>. Students who do not comply with these directives will be asked to leave the classroom. Refusal to follow the guidelines may result in further disciplinary action according to the CSN Student Conduct Code https://www.csn.edu/sites/default/files/documents/student_conduct_code_policy_1.pdf, including being dropped from the course.

INSTRUCTOR'S POLICY ON OBJECTIONABLE BEHAVIOR: Instructors have the responsibility to set and maintain standards of classroom behavior appropriate to the discipline and method of instruction. No objectionable materials or language will be used during this class. This includes all possible modes of the class: online and in person. The instructor will make the final determination regarding any objectionable materials or language. Students may not engage in activity the instructor deems disruptive or counterproductive to the goals of the class. Instructors have the right to remove offending students from class.

ACADEMIC ADVISING: Academic Advisors help students assess academic strengths and limitations, learn academic success strategies, explore careers, declare a major, navigate the educational system, access campus and community resources, and connect to campus life. Contact Information: Charleston Campus: Building D – Student Services Area : 702–651–5670, North Las Vegas Campus: Student Services Area : 702–651–4049, Henderson Campus: Building B – Room 120 : 702–651–3165. <https://www.csn.edu/advising>

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 West Charleston 702–651–5518, or at North Las Vegas 702–651–4099, or at Henderson 702 –651–3099.

EARLY ALERT SYLLABUS 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.

CENTERS FOR ACADEMIC SUCCESS: Centers for Academic Success (CAS) provides quality DROP-IN academic assistance to all students enrolled in for-credit courses at CSN. Tutors are available for most general education courses and some historically challenging courses. Academic learning support includes assistance with learning strategies, Canvas, Smarthinking online tutoring, Microsoft Office, reading, writing, oral presentations, math, and science. CAS tutors also provide support to study groups and assistance for placement test preparation. CAS is open Monday through Sunday to be more accessible to all students. Hours for all locations are Monday – Thursday 9:00 am to 6:00 pm and Friday – Sunday 11:00 am to 4:00 pm. You may visit www.csn.edu/centers-academic-success for more details about online and in-person services. You may also contact us at one of our offices: Charleston Centers 702–651–5732, North Las Vegas Learning Commons 702–651–4232, Henderson Learning Commons 702–651–3125.

TRIO STUDENT SUPPORT SERVICES: One stop shop for first-generation college, financial aid-eligible and disabled students offering tutoring, academic advising, career exploration, college-transfer assistance, and development of college success strategies. Contact information: **North Las Vegas Campus:** Building E Room 109 : 702–651–4441 or <https://www.csn.edu/trio>

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.

Homework Due Dates for MATH 127 (8-WEEK DE) FALL 2021

Week	Dates	Sections	Homework Due Date:
1	10/25 – 10/31	Sec 6.1, 6.2	10/31/21 @ 11:59P
2	11/1 – 11/7	Sec 8.1, 6.3, 6.4, 6.5	11/7/21 @ 11:59P
3	11/8 – 11/14	Sec 7.1, 7.2	11/14/21 @ 11:59P
4	11/15 – 11/21	Sec 7.4, 7.5, 7.6, 7.7, 7.3	11/21/21 @ 11:59P
5	11/22 – 11/28	Sec 8.2, 8.3	11/28/21 @ 11:59P
6	11/29 – 12/5	Sec 9.1, 9.4, 9.5, 10.2	12/5/21 @ 11:59P
7	12/6 – 12/12	Sec 10.3, 10.4, 10.7	12/12/21 @ 11:59P
8	12/13 – 12/16	Bonus Review Assignment	12/16/21 @ 11:59P

EXAM DATES:

TEST 1 (Sec. 6.1 – 6.5, 7.1, 7.2, 8.1)

Wednesday 11/10/21

TEST 2 (Sec. 7.3 – 7.7, 8.2, 8.3)

Monday 11/29/21

TEST 3 (Sec. 9.1, 9.4, 9.5, 10.2 – 10.4, 10.7)

Monday 12/12/21

FINAL EXAM (CUMULATIVE)

Thursday 12/16/21

Suggested Schedule for MATH 127 FALL 2021 (8-WEEK DE)

Date	Day	Section
10/25	M	Read Syllabus and Register for MyOpenMath
10/26	T	6.1
10/27	W	6.1, 6.2
10/28	R	6.2, 8.1
11/1	M	8.1, 6.3
11/2	T	6.3, 6.4
11/3	W	6.4, 6.5
11/4	R	6.5, 7.1
11/8	M	7.1, 7.2
11/9	T	REVIEW
11/10	W	<u>TEST 1 (6.1 – 6.5, 7.1, 7.2, 8.1)</u>
11/11	R	<u>NO CLASS – VETERAN’S DAY RECESS</u>
11/15	M	7.4
11/16	T	7.5, 7.6
11/17	W	7.6, 7.7
11/18	R	7.3
11/22	M	8.2
11/23	T	8.3
11/24	W	REVIEW
11/25	R	<u>NO CLASS – THANKSGIVING DAY RECESS</u>
11/29	M	<u>TEST 2 (7.3 – 7.7, 8.2, 8.3)</u>
11/30	T	9.1
12/1	W	9.4, 9.5
12/2	R	10.2
12/6	M	10.3
12/7	T	10.4
12/8	W	10.7
12/9	R	REVIEW
12/12	M	<u>TEST 3 (9.1, 9.4, 9.5, 10.2 – 10.4, 10.7)</u>
12/13	T	REVIEW FOR FINAL
12/15	W	REVIEW FOR FINAL
12/16	R	<u>FINAL EXAM (CUMULATIVE)</u>

MYOPENMATH REGISTRATION INSTRUCTIONS

To begin the registration process you can either [click on the registration link](#) or enter www.myopenmath.com into your preferred browser and find the registration link there:

myOpenMath

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Welcome

Free and Open

Students

Are you a student looking to study mathematics on your own, and want to do exercises with immediate feedback as you work through a free and open textbook? Then read more about our [self study courses](#).

Instructors

Are you an instructor who wants to adopt an open textbook, who feels online interactive homework is valuable, but doesn't want their students to have to pay an additional fee? Then read more about using [MyOpenMath in the classroom](#).

Getting Started

If you already have an account, you can log on using the box to the right.

If you are a new student to the system, [register as a new student](#)

If you are an instructor, you can [request an instructor account](#)

Login

Username:

Password:

Login

[Register as a new student](#)

[Forgot Password](#)
[Forgot Username](#)

Please read ALL of the following instructions first.

1. Username: I strongly recommend that you use your CSN username as that will be one less thing to remember/forget.
2. Password: Again, I recommend that you use your CSN password for ease of memory.
3. Password, again.
4. First Name: Please use the same first name you gave when you enrolled at CSN.
5. Last Name, Please use the same last name you gave when you enrolled at CSN.
6. Email Address: Again, I recommend that you use your CSN email address.
7. Thirteen years of age and older / Terms of Use: You must click these.
8. Course ID: Log into our course in CANVAS to find the Course ID.
9. Enrollment Key: Log into our course in CANVAS to find the Enrollment Key.

After you have filled out the above fields in a manner consistent with the above stipulations then click 'sign up' and you should be able to follow a link on that page that will take you directly to the course homepage where you can get started. If you have any issue with the registration process, please don't hesitate to contact me at with your questions, concerns, and/or problems.