



College of Southern Nevada, Spring 2024  
Math 127 – Precalculus II (DE)  
Sections 1001, 1008, 1015

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## Instructor Contact Information

**Instructor:** Eric Hutchinson

**Office:** West Charleston H101C

**Office Phone:** (702)-651-7512

**Sort Code:** WCH101

**Email Address:** [eric.hutchinson@csn.edu](mailto:eric.hutchinson@csn.edu)

**Office Hours:** Mondays through Thursdays: 12:45p – 2:00p (or online by appointment)

**NOTE:** The best way to contact me is through my CANVAS email. You can also contact me through my CSN email: [eric.hutchinson@csn.edu](mailto:eric.hutchinson@csn.edu). 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.

**Response time to student questions:** I will reply to your email questions within 24 hours on most days, including weekends.

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## Course Information

**Website:** <http://www.hutchmath.com> This web site contains PDF copies of the syllabus, schedule, test review problems, notes, and videos. From the web site, click on MATH 127. 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.

**Textbook:** We will be using an open-source textbook for our course. It is Precalculus Corequisite, 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.

**Software:** We will be using MyOpenMath ([www.myopenmath.com](http://www.myopenmath.com)). This is a free online learning management system in which you will do all your homework. This site will also contain your gradebook. (See registration instructions at the end of the syllabus). Also contained in MyOpenMath is the lecture notes, textbook link, and test review materials.

**Calculator:** This course requires a scientific calculator. 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 during the exams.

**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.*

### Learning Outcomes

- 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 a grade of C or better; or a satisfactory SAT/ACT/Placement Test Score.

Note: This course is essential for students planning to take calculus.

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## GRADING

**Grading Policy:** Your grade will be determined by the percent you earn from online homework assignments, tests, and the final exam. (See more detailed descriptions below.)

### Grade Distribution:

- Online Homework Assignments – 20% of your overall grade
- Exams – 50% of your overall grade
- Final Exam– 30% of your overall grade

**Note:** The lowest test score is **NOT** dropped. All tests count towards your overall grade.

**Grading Scale:** I assign overall grades according to the below scale. Overall grades are given with teacher discretion, and overall percentages are rounded to the nearest tenth.

A 92% or above	C+ 78 – 79.9%
A- 90 – 91.9%	C 70 – 77.9%
B+ 88 – 89.9%	D+ 68 – 69.9%
B 82 – 87.9%	D 60 – 67.9%
B- 80 – 81.9%	F less than 60%

**Additional Note Concerning Audit and Withdraw Grades:** 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 March 29<sup>th</sup> (last day to audit is also March 29<sup>th</sup>). The instructor CANNOT assign a “W” or “AU” as a final grade under any circumstances.

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## CLASS POLICIES

**Standard of work:** To receive credit for your work, it is important to not only provide the correct answer, but also to show the correct steps and reasoning behind your solution. If your work is difficult to read or understand, or if it is missing important details or is presented in an unclear or inconsistent manner, you may lose credit, even if your final answer is correct. It is important to present your work in a logical and understandable way and to ensure that it is consistent with your final answer.

### Makeup Policies / Extensions:

- You are allowed up to 5 individual homework section extensions this semester. Please email me if you request a homework extension.
- You are **not** allowed to retake any exam.
- Test extensions or makeup exams will be given if an exam is missed for a documented valid reason. Valid reasons include illness or medical procedure, accident, family emergency, mandatory work training, death in the family, and active participation in scholarly or athletic events. Invalid excuses include technical difficulties, needing more time to study, or other tests during the same week. If an exam is missed for a legitimate reason, an attempt *must* be made to contact me by the day of the exam (preferably before the exam is given) to let me know of your difficulty and provide necessary documentation. If you must miss an exam due to a prearranged conflict (such as work conflicts or CSN sports meets), let me know about it so that we can arrange an alternate exam date/time.

**Technical Difficulties:** You may experience technical difficulties related to computer connections or equipment during the term. This cannot be used as an excuse for failure to complete assignments. It is your responsibility to locate the computer hardware, software, and Internet connections necessary to stay connected and current with your course work.

### Conduct/Responsibilities:

- All work done for this course is to be your own.
- Cheating and scholastic dishonesty will not be tolerated. Dishonest work on an exam will result in a zero on that assignment. No exceptions. Furthermore, any confirmed plagiarism and cheating incidents will be reported to the Department Chair and/or Academic Dean. The use of any mathematical solving apps/programs (i.e. Photomath, etc.) is considered cheating and is prohibited.
- Please treat fellow classmates and the instructor with courtesy and respect.
- In the event that you find another student's words, actions, or demeanor to be frightening or offensive, please inform the instructor.

**Concerns** - If you have any concerns about this course and/or me, please contact me first. If I cannot resolve your issue, please contact the Math Department Office at 702-651-2725. 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.

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## CLASS ASSIGNMENT DETAILS

- **Syllabus Quiz** – You will begin the course by taking a quiz over the information and policies laid out in this syllabus. This quiz is found in the first week's folder in MyOpenMath. You **MUST** get a perfect score on the Syllabus Quiz before you are allowed to continue in the class. If you do not get a perfect score, review your answers and this Syllabus, and then retake the Syllabus Quiz. Any work missed due to a failure to take or get a perfect score on the Syllabus Quiz will be scored as a zero. As an added benefit, the score you earn on the Syllabus Quiz will be included as part of your class homework grade calculation.
- **Homework Assignments** – You will be responsible for submitting weekly online homework assignments. Each week there will be a group of homework section assignments due on Sunday nights at 11:59pm. All online homework assignments will be completed in MyOpenMath. Your first homework assignment is due Sunday, 1/21. 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 finish 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 paper and pencil, closed-book tests. (see schedule for dates and which sections each exam covers). You are **NOT** allowed any notes on Tests 1, 2, or 3 (no notecards are allowed either). I will have sample exams for the exams which are available from my website and MyOpenMath. Each test will be done with paper and pencil outside of MyOpenMath. Each exam will be open for four days in the three main CSN testing centers. Test 1 will be open from 2/12/24 to 2/15/24. Test 2 will be open from 3/25/24 to 3/28/24. Test 3 will be open from 4/29/24 to 5/2/24. You can take the exams in the testing center anytime during these windows by making an appointment in RegisterBlast. The testing centers are open Monday through Friday from 8am to 5pm (last test given at 3pm). Be sure to bring a government issued ID (CSN IDs are not accepted). A scientific or graphing calculator is allowed for the tests as long as it is not on a mobile device. You must bring your own calculator. No books or notes are allowed. The average of Test 1, Test 2, and Test 3 make up 50% of your overall grade.
- **Final Exam** – The final is a departmental, comprehensive, closed book exam which will be open in the three main CSN testing centers from 5/6/24 to 5/9/24. You can take the exams in the testing center anytime during this window by making an appointment in RegisterBlast. Some formulas will be provided. You **MAY NOT** use your mobile device as a calculator during a test, however you may bring your own scientific or graphing calculator. The final exam is worth 30% of your overall grade. There are no final exam redos or makeups.
- **Extra Credit** – In MyOpenMath, there will be an online test review assignment for each exam that will become available the week before each exam. This will allow you to earn up to 5% that will be added to your exam percent. These assignments resemble the problems on the sample exams and are designed to help you review for the exam. In addition, your two lowest homework scores from the whole semester will be dropped. Besides these, no other extra credit assignments will be offered.

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## ADDITIONAL INFORMATION

**Academic Integrity:** You are expected to complete your own work in this class. Using artificial intelligence to generate work, or claiming work done by others is plagiarism. Furthermore, 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://www.csn.edu/csnmedia/documents/policies-andprocedures/2017\\_academic-integrity-policy\\_2\\_0.pdf](https://www.csn.edu/csnmedia/documents/policies-andprocedures/2017_academic-integrity-policy_2_0.pdf)).

### **CSN Americans with Disabilities Act (ADA) Statement and current Disability Resource Center (DRC) Contact Information**

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](mailto:WCDRCStaff@csn.edu) or at North Las Vegas 702–651–4045, or email at [CYDRCStaff@csn.edu](mailto:CYDRCStaff@csn.edu) or at Henderson 702–651–3795 , or email at [HCDRCStaff@csn.edu](mailto: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](mailto:Deaf.HH.Services@csn.edu). Any student who receives an accommodation letter from the DRC, please email it to me as soon as possible.

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

**Library Support:** 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 at <https://library.csn.edu/ask/> or at one of our campus libraries. Find more information on our website <https://library.csn.edu/>

**Policy on Objectionable Materials:** 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>

**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, 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 <https://www.csn.edu/cas-services> 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.

**Disclaimer:** The instructor reserves the right to modify the following schedule as necessary (Reminder: This schedule is tentative). It is the students' responsibility to be aware of any changes made. The instructor also reserves the right to change the schedule in any manner at any time with written notification.

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## Homework Schedule for MATH 127 (DE) SPRING 2024

Week	Dates	Sections	Homework Due Date:
1	1/15 – 1/21	Sec 6.1	1/21/24 @ 11:59P
2	1/22 – 1/28	Sec 6.2, 8.1	1/28/24 @ 11:59P
3	1/29 – 2/4	Sec 6.3, 6.4	2/4/24 @ 11:59P
4	2/5 – 2/11	Sec. 6.5, 7.1, 7.2	2/11/24 @ 11:59P
5	2/12 – 2/18	Test 1 Review Assignment	2/18/24 @ 11:59P
6	2/19 – 2/25	Sec 7.4, 7.5	2/25/24 @ 11:59P
7	2/26 – 3/3	Sec. 7.6, 7.7	3/3/24 @ 11:59P
8	3/4 – 3/10	Sec. 7.3	3/17/24 @ 11:59P
9	3/18 – 3/24	Sec 8.2, 8.3	3/24/24 @ 11:59P
10	3/25 – 3/31	Test 2 Review Assignment	3/31/24 @ 11:59P
11	4/1 – 4/7	Sec. 9.1	4/7/24 @ 11:59P
12	4/8 – 4/14	Sec 9.4, 9.5, 10.2	4/14/24 @ 11:59P
13	4/15 – 4/21	Sec 10.3, 10.4	4/21/24 @ 11:59P
14	4/22 – 4/28	Sec. 10.7	4/28/24 @ 11:59P
15	4/29 – 5/5	Test 3 Review Assignment	5/5/24 @ 11:59P
16	5/6 – 5/9	Final Exam Review Assignment	5/9/24 @ 11:59P

### EXAM DATES:

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

**Available 2/12/24 – 2/15/24**

TEST 2 (Sec. 7.3 – 7.7, 8.2, 8.3)

**Available 3/25/24 – 3/28/24**

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

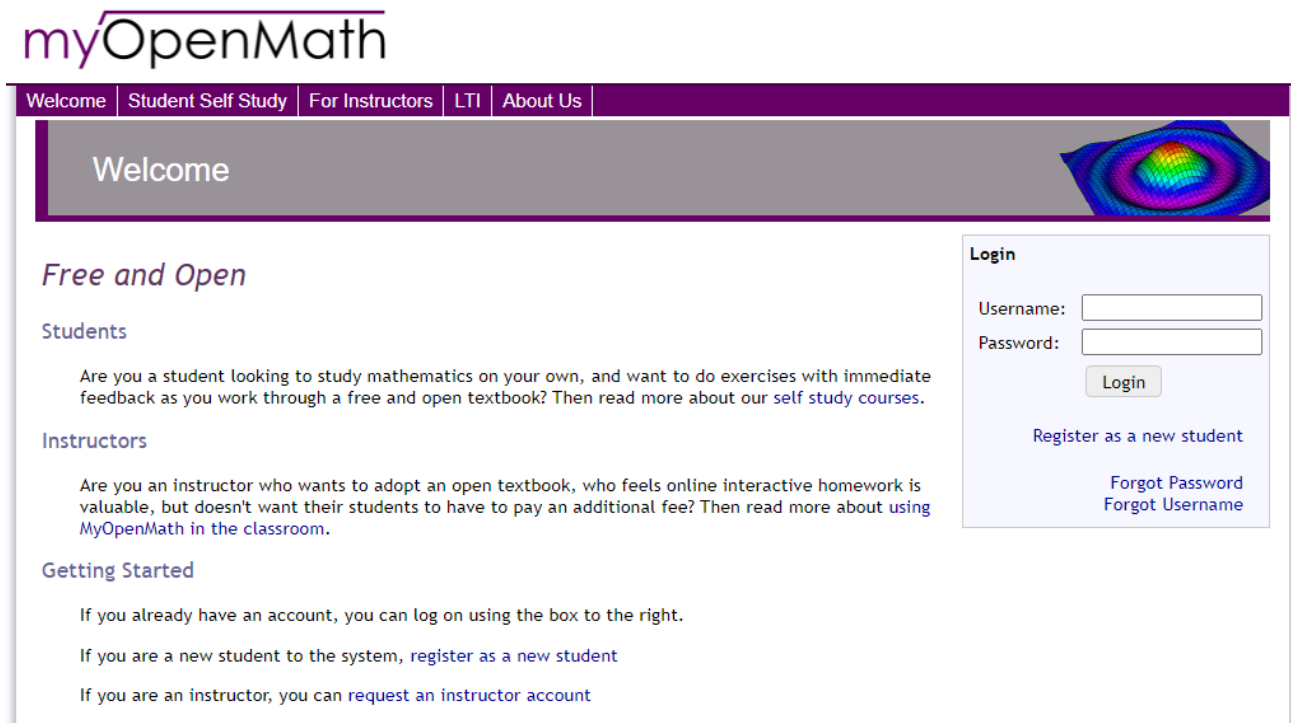
**Available 4/29/24 – 5/2/24**

FINAL EXAM (CUMULATIVE)

**Available 5/6/24 – 5/9/24**

## MyOpenMath Registration Instructions

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



The screenshot shows the MyOpenMath website interface. At the top, there is a navigation bar with links for 'Welcome', 'Student Self Study', 'For Instructors', 'LTI', and 'About Us'. Below this is a 'Welcome' banner with a colorful abstract graphic. The main content area is divided into sections: 'Free and Open', 'Students', 'Instructors', and 'Getting Started'. The 'Students' section includes a paragraph about studying mathematics on your own. The 'Instructors' section includes a paragraph about adopting an open textbook. The 'Getting Started' section provides instructions for existing users and new students. On the right side, there is a 'Login' form with fields for 'Username:' and 'Password:', a 'Login' button, and links for 'Register as a new student', 'Forgot Password', and '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.