

2023 Summer Session I  
Math 3 - 01 (PreCalculus)

**Instructor:** Yuk Shing Lam

Lecture: MWF 5:00 pm - 7:30 pm on [Zoom](#)

Office hours: TBD or by appointment on [Zoom](#)

Email: [ylam14@ucsc.edu](mailto:ylam14@ucsc.edu)

**Teaching Assistant:** TBD

Discussion Sections: TBD

Office hours: TBD

Email: TBD

**Course Learning Goals:**

1. Familiarize with mathematical terms and notations
2. Identify different types of functions
3. Master the use and properties of trigonometric functions
4. Visualize geometrical meaning of mathematical functions
5. Apply mathematical models in real world situations
6. Develop Critical thinking skills
7. Utilize teamwork
8. Prepare for Calculus and other upcoming math Courses

**Class Communication:**

Please do not hesitate to contact me or TA if you have any questions or concerns or if you need any assistance. When needed, we will refer you to trained professionals with your consent. Our preferred means of communication is email. Please do include the year, quarter, and class number in the title. You may expect responses within 1 work day. If there is no reply after that time frame, please follow up with us. Chances are your email is either missed or placed in spam.

**Materials:**

Precalculus: Concepts Through Functions, A Unit Circle Approach to Trigonometry 4th Edition  
Purchasing textbooks is optional, but the course will rely on it for reference.

**Grading Scheme:**

The tentative cutoffs of the letter grades are as follows. They might be changed (curved) according to your overall performance.

Letter Grades	A+	B+	C+	D+	F
	A	B	C	D	
Overall Score	99-100 94-99 90-94	87-90 83-87 80-83	77-80 73-77 70-73	67-70 63-67 60-63	0-60

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**Grade distribution:**

Homework (30%)

Homework must be submitted via Gradescope every Friday by 4 pm. When you submit your files, you will be prompted to select, for each specified problem, the pages on which the associated work/solution are located. You are required to accurately identify the pages associated with each problem. If you fail to do so, you may lose credit for each problem for which the pages are not correctly identified. It is your responsibility to make sure your submission is legible and easy to read. If you submit work that is difficult or impossible to read, you will not receive credit for it, and you will not be allowed to resubmit.

Class Participation (10%)

Class participation are short in-class quizzes designed to assess your attentiveness and understanding of the material discussed during the class. Therefore, they will only be open for a brief period during lecture.

Midterms (25%)

The midterm exam will be held on 12th July during class time. More details will be released via announcement.

Creative Project (10%)

A project will be conducted in groups of 1-5 members. The project can be about any appropriate topics related to mathematics with local relevance. You are encouraged to be creative and make this fun. Please see the announcements for due dates of member list, proposal, rough draft and final draft.

Final Exam (25%)

The final exam is cumulative and will be held on 28th July during class time. More details will be released via announcement.

**Tentative Schedule:**

You may find how the days match up with the modules [here](#).

**Late Work Policy:**

The lowest homework score and 3 class participation scores will be dropped to account for any issues or unforeseen circumstances. Please DO NOT email me to ask to be excused for missing class or to ask for homework extensions.

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**Academic Integrity:**

All members of the UCSC community benefit from an environment of trust, honesty, fairness, respect, and responsibility. You are expected to present your own work and acknowledge the work of others in order to preserve the integrity of scholarship.

Cheating refers to the act of dishonestly or unfairly gaining an advantage or misleading others in academic, professional, or personal contexts. It involves engaging in deceptive practices such as copying someone else's work, using unauthorized materials or resources during assessments, collaborating without permission, or obtaining answers through unauthorized means. Cheating undermines the principles of integrity, fairness, and ethical conduct that are essential for the learning process and the maintenance of trust and credibility in academic and professional environments. It is important to uphold the values of honesty, originality, and individual effort to foster a supportive and authentic learning community.

If one violates the rules of academic integrity, one or multiple of the following might be given as a penalty: verbal **w**arning, written warning, zero on the corresponding assignments, and reporting to the Academic Tribunal.

**Support/Help Options:**

[Tutoring and Learning Support](#)

[Sexual Violence Prevention & Response \(SAFE\) website](#)

[Hate/Bias Report Form](#)

[Counseling and Psychological Services](#)

[On-Campus Emergency Contacts](#)

I reserve the right to modify any aspect of this syllabus for the purpose of enhancing your learning experience or improving grading efficiency, and you will be promptly notified of any such changes.