



Study Math this Summer at

UCLA



In-person,
online, and
hybrid options.

3 to 6 week classes

Receive transferable
academic credit

Learn more at math.ucla.edu/summer

Session A

6/23 - 8/1

View complete
list of classes at
math.ucla.edu/summer

Lower Division

Math 31A (hybrid) Differential and Integral Calculus

Math 32A (hybrid) Calculus of Several Variables

Math 33A (online) Linear Algebra and Applications

Math 61 (online) Introduction to Discrete Structures

Upper Division

Math 106 (in-person)

History of Mathematics

Math 115A (in-person)

Linear Algebra and Proofs

Integration and Infinite Series

Math 31B (online)

Calculus of Several Variables

Math 32B (online)

Differential Equations

Math 33B (online)

NEW!

Pre-college Summer
Institute on Discovering
College Math

[See page. 4 for more details.](#)

Session C

8/4 - 9/12

In-Person

Study on the UCLA
campus.
4 meetings per
week.

Online

Study anywhere.
A mixture of live lectures
and recorded materials.
Discussion sections and
office hours.

Hybrid

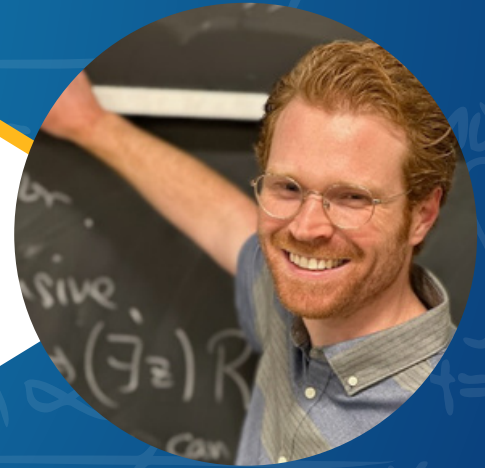
Choose to study
online or in-person.

Take classes with UCLA students and summer students from around the world!
Learn more about housing options at housing.ucla.edu/summer-housing

MEET YOUR MENTORS

In 6 years as a UCLA math instructor, **Tyler Arant** has taught students ranging from freshmen to graduate students, and classes from calculus and probability through to algebra and analysis. He received his PhD from UCLA, and his BS in mathematics from UC Berkeley. His research is about the intersection of computability theory and descriptive set theory. He is one of the department's most lauded instructors, including receiving the Liggett Teaching Award in 2022. In the classroom, he strives to combine mathematical rigor, deep understanding of the obstacles to learning, and activities and differentiated materials that provide challenge and interest to all students.

Courses: Pre-College Math Summer Institute



Elisa Negrini is an Assistant Adjunct Professor at UCLA who received her PhD from Worcester Polytechnic Institute in Applied Mathematics. Dr. Negrini is passionate about teaching both lower and upper division classes with her favorites being Differential Equations and Numerical Methods classes. Her research focuses on deep learning algorithms for forward and inverse problems for partial differential equations and optimal transport. In her free time Dr. Negrini enjoys rock climbing and backpacking.

Courses: Math 151A

Jukka Keränen received his bachelors degree from Princeton University, a masters degree in mathematics from Cambridge University, a PhD degree in philosophy of mathematics from the University of Pittsburgh, and a PhD degree in mathematics from UCLA. In addition to his research work in philosophy and number theory, Jukka has a deep passion for teaching. He was involved in developing an innovative introductory course on mathematical modeling aimed at life sciences majors; due to its impact on STEM retention, this course has been featured in numerous publications, including Scientific American. His work in teaching has been recognized by multiple awards, including the prestigious My Last Lecture award. When not thinking about math or philosophy, Jukka likes to run and build LEGO (though usually not at the same time).

Courses: Math 31A and Math 106



Marcus Roper is a Professor of Mathematics and Computational Medicine. Prior to joining the UCLA faculty in 2011, he received BA and MMath degrees in Mathematics from Cambridge University and a PhD in Applied Math from Harvard University. His research work on blood flows in mammal brains, the dispersal of fungal spores, and the intelligence of slime molds and has been featured by the NY Times and Scientific American. He particularly relishes teaching introductory classes; he co-wrote a popular textbook for life science students learning calculus and won the Sorgenfrey Distinguished Teaching Award in 2019. In his spare time, he teaches classes for the Olga Radko Endowed Math Circle.

Courses: Math 33B and Pre-College Math Summer Institute

DISCOVERING COLLEGE MATH SUMMER INSTITUTE

Unlock the power of discrete mathematics and master complex problems.

Program Dates: 7/14/25 to 8/1/2025

Learn more at summer.ucla.edu/program/discovering-college-math-summer-institute/

The goal of the Discovering College Math Summer Institute is to introduce students to mathematics as a creative, problem-solving activity that combines rigor, invention and elegance. The focus of this inaugural institute is on discrete mathematics. In contrast to calculus -- the mathematics of real functions and their limits -- discrete math is the study of countable sets. In addition to being full of interesting and beautiful ideas, discrete mathematics has many useful applications, from the coding and design of computers, to winning at many popular games, to understanding the tens of thousands of genes that make us healthy (or sick).

Students in this intensive program will learn discrete math through a combination of math circle activities, pioneered by instructors from the UCLA Olga Radko Endowed Math Circle, college-style lectures and small group problem solving. The institute will also include a panel on student experiences at UCLA, faculty research lectures, an afternoon of mathematical games and a concluding math fair, open to friends and family members.

Questions?

Learn more at math.ucla.edu/summer

Attend a Zoom information session on
3/11/25 or 3/27/25 @ 7 pm

To register for a session, please visit math.ucla.edu/summer

Email summer@math.ucla.edu