

WELCOME TO

Fall 2026

Applied Math Undergraduate Mixer

September 11, 2026

1:30–3:30pm

Conference Center Room 105

Today at a Glance

Welcome!

Grab a bingo card and say hi

- ❑ **Registration / Networking / Icebreaker Bingo**
- ❑ **Academic Program Presentations**
 - ❑ Applied Math Program
 - ❑ Academic Advising
- ❑ **Student Resources Presentations**
- ❑ **Group Photo**
- ❑ **Networking / Icebreaker Bingo**
- ❑ **Lucky Draws**



APPLIED MATH
FALL 2026
APPLIED MATH UNDERGRADUATE MIXER

All Applied Math majors and minors are invited to connect with fellow students and meet faculty, instructors, TAs, learning assistants, and academic advisors. Attendees will have the opportunity to discover campus resources, academic opportunities, and ways to get involved.

Whether you're new to Applied Math or returning this fall, come meet your peers, build connections, and kick off the academic year with your Applied Math community!

Lunch will be provided

First 100 attendees will receive an Applied Math t-shirt

September 11, 2026

1:30 - 3:30pm

Conference Center Room 105

appliedmath@ucmerced.edu

appliedmath.ucmerced.edu

RSVP required

QR code for RSVP

Welcome Remarks

Welcome! 🙌



Prof. Roummel Marcia

Chair of the Applied Mathematics Department

Applied Math Program

Welcome! 🙌



Prof. Changho Kim

Chair of the Applied Mathematics Undergraduate Program

- What is Applied Mathematics?
- Success in Your Majors
- What's Next? Stay Connected!

Applied Math is Everywhere.

Here's where.

OpenAI



moderna



TESLA



Goldman
Sachs

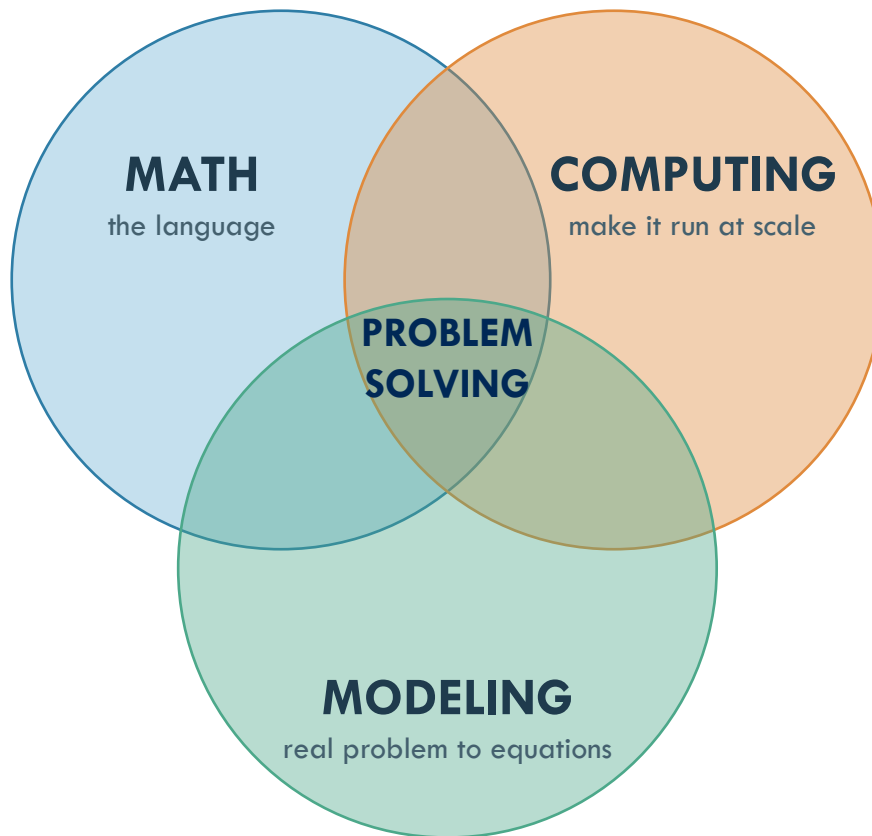


?

and many more

So What Is Applied Math?

A Problem Solver — *that's you.*



What kind of problems?

Nine emphasis tracks.

- Computational and Data Sciences
- Computational Biology
- Computer Science
- Economics
- Education
- Engineering
- Environmental
- Physics
- *Custom Emphasis*

Which is why applied math shows up everywhere.

The Principles Behind Success in Your Majors



Know the expectations

Missing the minimum has an immediate consequence. Meeting the expectation is what makes your college years successful.



Practice professionalism

After graduation you step into a professional career. The professionalism it demands is a habit you start practicing now.



Math builds on math

Every math course is built on the one before it. Review what you learned and practice it every day, until it is truly yours.

The entire Applied Mathematics department — and UC Merced — wants you to succeed. In turn, take your learning and your classes seriously.

Asking for Help

Do not get discouraged if the lectures and homework seem difficult — there are lots of resources and people to help you succeed in your classes.

Asking early is a strategy, not a weakness.

Office Hours

- Your instructor's and TA's hours are the fastest path to an answer.
- Bring a specific question — even a wrong attempt is a good start.
- Go even without a question — you learn from classmates' questions.

STEM Tutoring Hub and the Math Center

- Drop-in tutoring and study support for your STEM courses, including math, chemistry, biology, CSE, physics, and engineering.
- Math Center: SSB 320
- Free!

Learning Assistants

- Math classes (MATH 005, 021, 022) have undergraduate peer Learning Assistants who are there to help you during lectures.

Be careful with using AI tools

While these tools are helpful in some cases, they can seriously hinder your logical and critical thinking, which are crucial for learning. We cannot overemphasize the importance of practicing solving math problems — AI is not a substitute for doing homework problems.

What's Next? Stay Connected!



Faculty Advising (October)

Discuss math courses and careers (summer internships and research opportunities) with your faculty advisor. **Mandatory**



Emails from the undergraduate chair

math.undergrad.chair@ucmerced.edu

- Delivered to your UCM email
- Announcements
- Events and career opportunities
- **Don't skip them — please read every one!**



Upcoming Events



Math Magic (10/9 FRI, 1:30-3:30pm)



Graduate School Panel (TBA)



Resume & CV Workshop (10/29) – SIAM Student Chapter



Internship Workshop (11/12) – SIAM Student Chapter

Problem of the Month



APPLIED
MATHEMATICS

Problem of the Month September 2026

Using the digit 8 as many times as needed, create expressions that give each integer from 0 to 20. The figure shows one way to obtain 10.

$$(88 - 8) \div 8 = 10$$

For an Extra Challenge:

- Use as few 8s as possible.
 - Create interesting expressions using standard functions.
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- You may use +, -, ×, ÷, square roots, exponents, and parentheses.
 - You may join digits (such as 88 and 888) or use decimals (such as .8 and .88).
 - You may also use standard functions taught in precalculus or calculus courses, such as $\lfloor \square \rfloor$, $\log_{\square} \square$, $\exp \square$, and trigonometric functions.
 - However, no digit other than 8 may appear anywhere in an expression.

To submit your solutions for a chance to win an Amazon gift card, and to find out detailed contest rules, including the **policy on AI use**, scan the QR code to the right, or go to:

<https://bit.ly/UCM-POTM>



Questions?

math.undergrad.chair@ucmerced.edu

AMS Undergraduate Chair (Prof. Changho Kim)