



Visit us at <http://ps.uci.edu/stuaff/>

# PHYSICAL SCIENCES NEWSLETTER

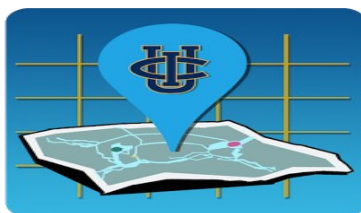
FALL 2019 EDITION

## In this issue...

- IMPORTANT Fall Quarter Dates
- Minors and Specializations
- Research Opportunities
- The Cal Teach Program
- Math CEO
- Tutoring
- Clubs
- Peer Academic Advisors
- And more...

## ZOT FINDER APP

Need help finding your way around campus? Download the free Zot Finder App! With it you can search faculty, staff, and buildings, and quickly access a digitized version of the UCI emergency blue book.



Like our Facebook page!

## ANNOUNCEMENTS/ UPCOMING EVENTS



### PHYSICAL SCIENCES ZOTCHAT IS AVAILABLE!

Chat live with a counselor/peer advisor to ask general counseling or advising related questions. For more information, visit <https://ps.uci.edu/stuaff/content/live-chat>

## ADD/DROP POLICIES

**\*ADD/DROP:** The deadline to add or drop courses in the School of Physical Sciences is the end of Week 2 by 5:00 PM. Add/Drops can be made using WebReg.

**\*CHANGE:** The deadline to change grade option or variable units is the end of Week 2 by 5:00PM. Changes can be made using WebReg.

An online petition will be used for Adds, Drops, and Changes after the listed enrollment deadlines have passed. Log into **STUDENT ACCESS** to submit an enrollment exception request.

**\*\*Some departments within the School of Physical Sciences have deadlines earlier than those for the School itself. Please see the comments in the SOC for details:**

## GRADUATING SENIORS

Don't forget to submit those graduation applications! The time to do so is now if you plan on graduating in the spring/summer/fall.



## IMPORTANT SPRING QUARTER DATES:

**Sept. 26** - Instruction Begins

**Oct. 11** - Deadline to Add/Drop courses without Dean's approval using WebReg (by 5 p.m.)

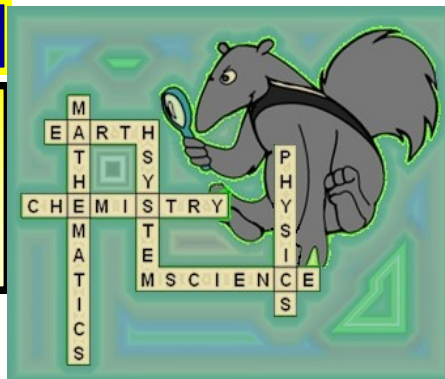
**Nov. 11** - Veteran's Day

**Nov. 28 - 29** - Thanksgiving Holiday

**Dec. 6** - Instruction Ends

**Dec. 7 - 13** - Final Exams

**Dec. 17 - Jan. 1** - Winter Break, Holidays



## PHY SCI MENTORSHIP PROGRAM

Great opportunity to be paired up with an alumni or science professional as a mentor. Gain insights to potential career paths; map-out areas for personal and professional development; and seek council regarding issues of concern

For more information visit: <http://www.physsci.uci.edu/mentor>

## CAREERS AFTER COLLEGE

<http://ps.uci.edu/stuaff/content/careers>

- **Math** provides a solid foundation for further study in graduate or professional school, including law school or business school. Information about math careers is available at: [AMS Careers](#), [MAA Careers](#), and [AWM Career Resources](#).
- **Physics** majors are analytical thinkers with a basic understanding of natural processes. Even with a Bachelor's degree, physics majors are in high demand in our technological society. To get an idea of industrial opportunities go to: [www.dice.com](http://www.dice.com) and search "physics", [AIP Careers](#), [APS Careers](#).
- **Chemistry** majors are prepared to go on to careers in the chemical sciences as well as in biology, medicine, earth sciences, secondary education, business, and law. More information is available at: [AIC Careers](#), and [ACS Careers](#).
- **ESS** students go on to graduate school programs and careers as research scientists in academic, public, or private institutions. Students are prepared to enter the workforce directly as scientists in a diverse array of fields. ESS career information can be found at: [AGI Careers](#), [AGU Careers](#), and [GSA Careers](#).

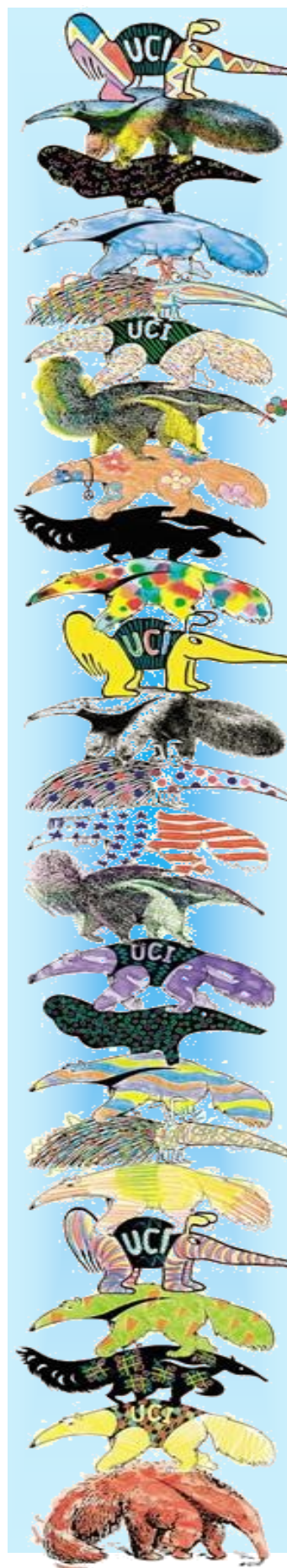
## MATH MAJOR WITH A CONCENTRATION IN DATA SCIENCE

Data Science integrates mathematical, computational and statistical reasoning to extract knowledge and insights from a variety of data. Data scientists develop mathematical models and theories, computational tools and statistical methods for exploring, analyzing and making predictions from data in context. The interdisciplinary concentration in Data Science offers training in theory and applications of the core pillars of data science: mathematics, statistics, and computer science.

Meeting with the faculty advisor is by appointment. More information on scheduling this appointment can be located on the Math Department's website: <https://www.math.uci.edu/undergraduate-studies/>

## UROP—UNDERGRADUATE RESEARCH

- What does UROP stand for? Undergraduate Research Opportunities Program
- UROP encourages and facilitates research and creative activities by undergraduates from all schools and academic disciplines at UCI.
- Research opportunities are available not only from every discipline, interdisciplinary program, and school, but also from many outside agencies, including national laboratories, industrial partners, and other universities.
- UROP offers assistance to students through all aspects of the research process, from proposal writing, to project management, awarding grant money, as well as an opportunity to publish findings in UCI's own undergraduate research journal. Find more information here: <https://www.urop.uci.edu/>



## ANTEATERS MATHEMATICS CLUB (AMC)

The Anteaters Mathematics Club is a student run organization that brings together students interested in mathematics. AMC provides opportunities for students to explore various topics of mathematics outside the classroom, enhance student communication and cooperation, and provide resources to help students prepare for future careers in mathematics. We also have some fun activities such as: talks from professors and graduate students, workshops on careers, graduate schools, and undergrad research as well. Math Club meets every Monday at 5-6PM, location TBA. You do NOT need to be a major to join AMC! Anyone who is passionate about mathematics is welcome.

Email us at [mathclub.uci@gmail.com](mailto:mathclub.uci@gmail.com) ; President Duo Lin: [duol4@uci.edu](mailto:duol4@uci.edu) ; Vice President Lori Cha: [lcha2@uci.edu](mailto:lcha2@uci.edu)

Please visit our Facebook page at <https://www.facebook.com/groups/anteater.math.club/>

## CALTEACH AT UCI

The CalTeach at UCI is a club geared toward future STEM educators and invites all individuals who are interested in teaching, tutoring, or learning more about the education field in general. Our mission is to foster a community of future teachers here at UCI, and to offer a chance to network with other future and current educators. We aim to achieve this by bringing in guest speakers such as current/retired teachers, alumni, and other experts in the education field. Club meetings consist of chat and snacks, socials, guest speakers, or informative workshops! This is your chance to dive into your desired profession!

Email: [calteachadvisory@gmail.com](mailto:calteachadvisory@gmail.com) (please wait 2-5 business days for a reply) ; President Tammy Dang: [tammyd3@uci.edu](mailto:tammyd3@uci.edu)

To know when and where we will have meetings follow us on Instagram at [ucicalteach](https://www.instagram.com/ucicalteach/) or on Facebook at

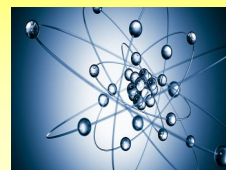
<https://www.facebook.com/ucicalteach/>.

## WOMEN IN PHYSICS AND ASTRONOMY AT UCI

The Women in Physics & Astronomy (WiPA) group at UC Irvine is a representative body for women at the undergraduate, graduate and postdoctoral levels. We strive to create a community for female physicists that fosters support through a variety of social events and outreach programs. We welcome anyone who is interested in discussing topics related to women in physics and addressing women's issues and interests within the department.

Email: [WiPA@uci.edu](mailto:WiPA@uci.edu) ; President Astrid Anker: [aanker@uci.edu](mailto:aanker@uci.edu)

Visit us at our website: <https://clubs.uci.edu/womeninphysics/>



## ALPHA CHI SIGMA

Alpha Chi Sigma is a national professional co-ed fraternity focusing in the chemical sciences. Founded in 1902, there are nearly 100 chapters across the nation. Here at UCI, we are comprised of individuals from various majors such as Biology, Pharmaceutical Science, Chemistry, Chemical Engineering, Earth System Science and Public Health who are bonded by our love for and the common interest in the field of chemical sciences. As a group we strive to create a positive social forum for our members by promoting chemistry through academics, research, service, and assist our members in succeeding in their professional goals.

The Delta Lambda Chapter of AXS will be rushing from 10/8 - 10/11, and all events (excluding Monday at UTC's Cha for Tea) will meet at Rowland Hall at 6pm.

Contact: [ucialphachisigma@gmail.com](mailto:ucialphachisigma@gmail.com)





## MINORITY MATH CLUB

The club's goal is to create a community within the major for students who identify as: an underrepresented minority, first-generation, transfer, non-traditional, adult learner, or anyone looking for a friend with similar experiences. We've been doing this by creating a safe space with lines of communication between students where they feel comfortable enough to ask for advice or help with their difficulties in math.

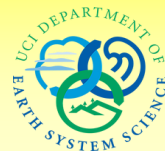
Feel free to contact us at [agoveagr@uci.edu](mailto:agoveagr@uci.edu) ; Our GroupMe is [https://web.groupme.com/join\\_group/47495069/oKiZDw](https://web.groupme.com/join_group/47495069/oKiZDw)

## EARTH SYSTEM SCIENCE CLUB (ESSC)

The Earth System Science Club at UC Irvine aims to prepare ESS, ENSP, and students interested in sustainability for careers in the field. We provide a number of workshops and networking opportunities with faculty, alumni, and local industries to assist students in preparation for the workforce. We hope to see you at our next meeting!

Please join our Facebook group <https://www.facebook.com/groups/196761771800/> for updates on the club and email us anytime at [essc Irvine@gmail.com](mailto:essc Irvine@gmail.com) . Check out our website at <http://ess-club.wix.com/essc>.

President Anna Agnew: [iagnew@uci.edu](mailto:iagnew@uci.edu)



## ASTRONOMY CLUB AT UCI

Astronomy Club at UCI is a club dedicated to communicating the wonders of the cosmos. We aim to form a sense of community among our members, and, if possible, among the students at UCI through Astronomy. Astronomy Club works along side the Astronomy Outreach Program, hosting events such as the previous Lunar Eclipse Event with our own telescopes. We also plan trips for Camping, Observatory Trips, and other related Astronomy activities such as stargazing during meetings.

Email: [astroclub@uci.edu](mailto:astroclub@uci.edu) ; Facebook Group: The Astronomy Club at UCI ;

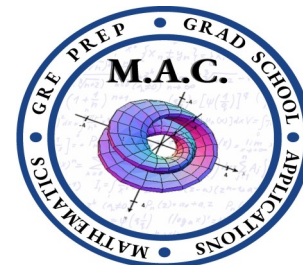
Instagram: @astronomyclubuci ; Website: <https://sites.uci.edu/astroclubatuci>



## ABELIAN GRAPES

The Abelian Grapes encourages friendships. It's a group of math majors who like joking around, talking about math, math memes, and eating out every Friday at 3pm in RH 510R. We create a close-knit group of proactive undergrad math majors who encourage sharing mathematical ideas and experiences.

President Leonard Megliola: [lmegliol@uci.edu](mailto:lmegliol@uci.edu) ; Groupchat on WeChat app



## UCI SOCIETY OF PHYSICS STUDENTS (SPS)

The UCI Society of Physics Students (SPS) strives to create a welcoming environment for all students interested in physics, and to foster their development as young career professionals and scientists. SPS organizes industry networking events, panels with scientists, Physics Department meet-and-greets, and lab tours. SPS also hosts social events like science-fiction movie nights, pizza socials, and game nights. Society of Physics Students weekly meetings are typically on Wednesdays from 5-6pm, in FRH 2107.

Feel free to contact us at [sps@uci.edu](mailto:sps@uci.edu); Co-President Henry Amir: [hamir@uci.edu](mailto:hamir@uci.edu); Co-President Lisabeth Santana: [lisabets@uci.edu](mailto:lisabets@uci.edu)

Our website link is <https://sites.uci.edu/spsuci/> .

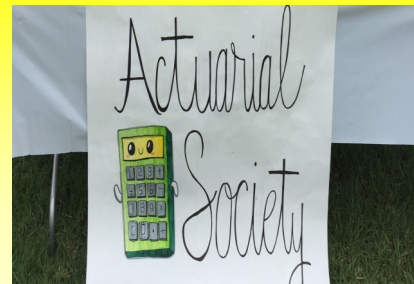


## THE ACTUARIAL SOCIETY

The Actuarial Society serves as the undergraduate actuarial student organization at UC Irvine. We host events throughout the school year to provide social and professional development. This includes hosting actuarial speakers, resume workshops, and technical workshops.

Additionally, we provide exam support and will happily answer any career questions.

Please visit our website at [www.clubs.uci.edu/actuarialsociety](http://www.clubs.uci.edu/actuarialsociety) for further information and resources provided.



## MATH FINANCE CLUB AT UCI

The Math Finance Club at UCI connects students in the concentration of math finance with financial professionals in the real world and fosters students' passion for mathematical finance and support each other's studies and job searches. Join our Facebook group page (@UCI Math Finance Club) to participate in the Kaggle competition this fall.

Contact us at [mathfinanceclub@uci.edu](mailto:mathfinanceclub@uci.edu) ; Website: <https://clubs.uci.edu/mathfinanceclub/> ; LinkedIn: <https://www.linkedin.com/groups/13695883/>

We typically meet on Tuesdays at 7:30 pm in NS2 1201; President Jingbo Yuan: [jingby1@uci.edu](mailto:jingby1@uci.edu)

## ANTEATER AMBASSADOR NETWORK (ANN)

**Are you looking to get involved on campus? Do you want to make new friends who are passionate about giving back to UCI?**

Anteater Ambassadors Network (AAN) offers the unique opportunity to network with your fellow students, faculty & staff, and leaders of Orange County through community service. AAN is a student service organization that provides volunteer support for University Advancement and other departments. We select high-achieving students to serve as ambassadors for UCI and represent the face, voice, and experiences of the UCI student body at premiere/high-profile events. This opportunity allows ambassadors to give their time and talents, share their unique perspective of university life, participate in sharing student stories for stewardship purposes, and network with professionals and donors who may have an impact on their education, research, and resource opportunities.

**APPLY HERE:** <https://forms.gle/9aVuGhCG59n7UyR49>

### PARTICIPATE IN RESEARCH!

Visit the Research page of our office website at

<http://ps.uci.edu/stuaff/opportunities/research>.

Come in and see us for more information in RH 134.

### REMINDER: UPDATE YOUR ADDRESS

Remember, every time you move, you should log on to the Student Access website and update your local and/or permanent address. This way, the Student Affairs Office and other offices on campus can send you important information in the mail.

***Free and Private tutoring is available for  
CHEMISTRY, PHYSICS, and MATHEMATICS!  
For more information visit our [website](#).***



## UCI MATH CEO

**Mentors and Volunteers Needed.** Want to help kids with math? Join Math CEO...

UC Irvine's Math CEO (Community Educational Outreach) is a transformative afterschool program designed to inspire underserved youth to pursue college education and a career in STEM, while at the same time fostering math achieve-

Math CEO is a great way to gain teaching experience, find friends at UCI, collect fieldwork/volunteering hours and promote STEM education. Almost all of the participating middle school students are Latinx, and come from low income families which lack familiarity with college. Your commitment can vary from 1 to 5 hours a week. Most of these mentoring opportunities take place here on the UCI campus and require no transportation. **SIGN-UP AT:** <https://forms.gle/AWp2qGzrmv1nocrQA>

**WEBSITE:** <http://www.math.uci.edu/mathceo/>; **EMAIL US:** [mathceo@math.uci.edu](mailto:mathceo@math.uci.edu); **VIDEO:** <https://youtu.be/DyBik87GnHU>; **NEWS ARTICLE:** <https://news.uci.edu/feature/solving-problems/>

## APPLY TO BE A PEER ACADEMIC ADVISOR

Applications are available online for all academic units during 7th week Fall Quarter. These applications are also available at the Undecided/Undeclared Advising office located at 256 Aldrich Hall. This is a **PAID** position! Learn more about the Peer Academic Advising Program at <http://www.due.uci.edu/paap>

## MEET THE ACADEMIC COUNSELORS



From left to right:

Don Williams.....[dawillia@uci.edu](mailto:dawillia@uci.edu)

Mike Tawney.....[mtawney@uci.edu](mailto:mtawney@uci.edu)

Stefanie Masuda.....[masudas@uci.edu](mailto:masudas@uci.edu)

Bryan Reza.....[breza@uci.edu](mailto:breza@uci.edu)

## MEET THE PEER ACADEMIC ADVISORS

Our office is open on weekdays from 9am-4pm, and we advise walk-in students every day, no appointment needed. Come visit us in 134 Rowland Hall!

Emma Wilfong.....[ewilfong@uci.edu](mailto:ewilfong@uci.edu)

Shelly Meirovitch.....[smeirovi@uci.edu](mailto:smeirovi@uci.edu)

Claire Urata.....[uratac@uci.edu](mailto:uratac@uci.edu)

Lissette Umanzor.....[lumanzor@uci.edu](mailto:lumanzor@uci.edu)

Alessandra Flaherty.....[akflaher@uci.edu](mailto:akflaher@uci.edu)



**Questions?** Please contact a Peer Academic Advisor or an Academic Counselor at 949-824-6507, at [pssazot@uci.edu](mailto:pssazot@uci.edu), or come into our office to speak with us. We are located in Rowland Hall 134 and our walk-in hours are Mon-Fri 9:00 am—4:00 pm.



*The School of Physical Sciences presents*  
**Anteater Spotlight**  
*Patrícia Haigh*

**Meet Patricia Haigh**, a fourth year double major in Earth System Science with a concentration in Atmospheric Science and Environmental Science and Policy, with a minor in Global Sustainability.

Patricia came into UCI as a Physical Sciences-Undeclared major. She has always liked the sciences, and after loving her high school geology class, the Earth System Science major at UCI was calling her. A couple of ESS courses later, she realized that science is most applicable when tied to policies that influence human and business behaviors. So, when the Environmental Science and Policy major was first introduced in her 3rd year, she knew that she wanted to pursue it as well.

Some of her many accomplishments include being on the Dean's Honors List for two quarters. She has also been the vice president of the Climatepedia at UCI club in 2018-2019, now being the president of the Climatepedia at UCI club in 2019-2020, a club which she joined in her freshman year. This club is a student-led initiative dedicated to spread awareness about climate change. Its mission is to provide a reliable source of climate change information by connecting the public with academic research and perspectives. Some activities they do are to host beach cleanups, visit middle schools to teach 6th graders climate science, and host campus wide events like professor panels. They even won "Outstanding Sustainability Program" at the 2019 Anteater Awards. Lastly, Patricia is one of the founders of Zotbenders, a club that seeks to connect students of all backgrounds with a common interest in the series Avatar: The Last Airbender.

Patricia is also involved in research at UCI. She is an undergraduate researcher in the Mackey Lab assisting with two projects. With Post Doc researcher Samarpita Basu, she is helping to simulate the effect of ocean acidification on picocyanobacteria through a multiple stressor experiment of increasing temperatures and increasing concentrations of CO<sub>2</sub>. With graduate researcher Joana Tavares, she is helping to investigate the effects of ship emissions on various phytoplankton communities, using analytical and experimental methods like remote sensing data and mesocosm incubations.

Patricia's major interests are in climate activism and sustainability. After she graduates, she would like to work in the private sector to improve sustainable practices in businesses.



In her free time, Patricia loves drawing, hiking, and spending lots of time with her family. She also organized and marketed a Climate Strike where almost 400 people attended as a part of the global climate strike on September 20th. She hopes to continue helping other local activists organize climate strikes as a part of the youth-led Fridays for Future initiative.

Patricia's favorite part about UCI is how beautiful and green the campus is. She loves watching the trees change colors with the seasons and being able to have a fresh breath of air when stepping outside. She feels like walking through Aldrich Park actually reduces her stress levels between classes. If you're a transfer or freshman student, she claims that you get back what you put in! You have to make the effort to hang out in the common room, go to that weekly club meeting, or get boba with your study group because making friends in college is not as easy as making friends in high school. Having friends on campus has played a huge role in her motivation and confidence throughout the quarter.

**Congratulations Patricia! We know you will do amazing things in your future and have a positive impact on our environment!**



**Patrícia Haigh**

