



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

PHYSICAL SCIENCES NEWSLETTER

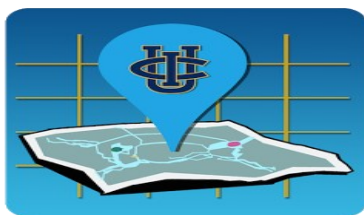
WINTER 2020 EDITION

In this issue...

- IMPORTANT Winter Quarter Dates
- New Majors
- Minors and Specializations
- Research Opportunities
- The CalTeach Program
- Math CEO
- Tutoring
- Clubs
- Peer Academic Advisors

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 or summer. Log in to Student Access today!



IMPORTANT WINTER QUARTER DATES:

Jan. 6 - Instruction Begins

Jan. 17- Deadline to Add/Drop courses without Dean's approval using WebReg (by 5 p.m.)

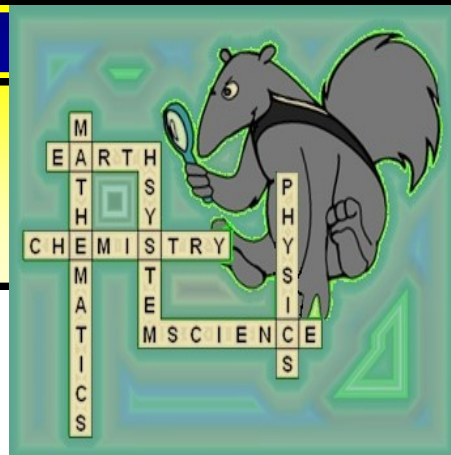
Jan. 20– Martin Luther King, Jr. Day

Feb. 17 - Presidents' Day

March 13 - Instruction Ends

March 14 - 20 - Final Exams

March 23—27 - Spring Break



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 ; President Duo Lin: duol4@uci.edu ; Vice President Lori Cha: 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 (please wait 2-5 business days for a reply) ; President Tammy Dang: tammyd3@uci.edu

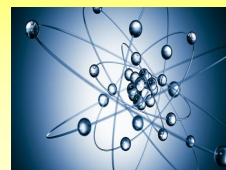
To know when and where we will have meetings follow us on Instagram at [ucicalteach](https://www.instagram.com/ucicalteach/) or on Facebook at <https://www.facebook.com/ucicalteach/>.

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 ; President Astrid Anker: 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



EXTERNAL PUBLICITY COORDINATOR OF GLOBAL MEDICAL TRAINING AT UCI

Are you interested in advocating and involving in healthcare aspects of underserved communities? Global Medical Training at UCI is a humanitarian pre-health club that strives to serve the underrepresented communities both local and abroad. We provide students opportunities to participate in the biannual clinical trips abroad to Latin American countries to provide free basic clinical care to the disadvantaged communities. We also provide various opportunities such as volunteering, networking, and much more!

To get to know us more, follow us on Facebook: <https://www.facebook.com/groups/GMTUCI/>

Our website: <https://www.gmtuci.com/>

Our General Membership Application:

https://docs.google.com/forms/d/e/1FAIpQLSfx2PkFYtqvX1Wq_bHKrGM41C3vOOVxO_xEsqrOYAmGnNPslA/viewform

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 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. Schedule an appointment using [this link](#).

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 an opportunity to publish findings in UCI's own undergraduate research journal.



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.

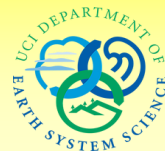
Feel free to contact us at agoveagr@uci.edu ; Our GroupMe is https://web.groupme.com/join_group/47495069/oKiZDw

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 . Check out our website at <http://ess-club.wix.com/essc>.

President Anna Agnew: 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 ; Facebook Group: The Astronomy Club at UCI ;

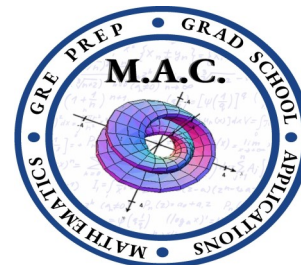
Instagram: @astronomyclubuci ; Website: <https://sites.uci.edu/astroclubatuci>



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 ; 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; Co-President Henry Amir: hamir@uci.edu; Co-President Lisabeth Santana: lisabets@uci.edu

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

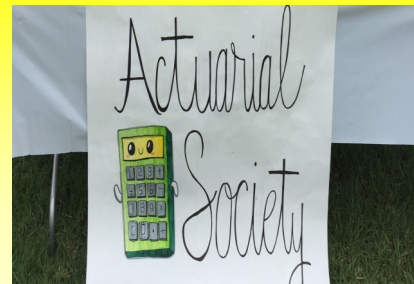


THE ACTUARIAL SOCIETY

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 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 ; 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

ANTEATER AMBASSADOR NETWORK (AAN)

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.

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... 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 ; **VIDEO:** <https://youtu.be/DyBik87GnHU> ; **NEWS ARTICLE:** <https://news.uci.edu/feature/solving-problems/>

APPLY TO BE A PEER ACADEMIC ADVISOR

Applications are due on January 17th! These applications are 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

Mike Tawney.....mtawney@uci.edu

Stefanie Masuda.....masudas@uci.edu

Bryan Reza.....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

Shelly Meirovitch.....smeirovi@uci.edu

Claire Urata.....uratac@uci.edu

Lisette Umanzor.....lumanzor@uci.edu

Alessandra Flaherty.....akflaher@uci.edu



Questions? Please contact a Peer Academic Advisor or an Academic Counselor at 949-824-6507, at 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

SPOTLIGHT STUDENT

Mohab Louis

Meet **Mohab Louis**, a 2nd year transfer student in Chemistry with a Concentration in Chemical Biology, hoping to minor in Biological Sciences. He was born in Cairo, Egypt (he's Egyptian), but lived in Dubai for the first 12 years of his life. Then, him and his family moved to Irvine, CA, where they have spent the last 6 years.

Mohab transferred from Irvine Valley College, and decided to transfer to UCI since it is very close to his home. Also, his sister was already a 2nd year at UCI by the time that he started at UCI, so that was an added bonus for him. He decided to study Chemistry rather than Biology for his undergraduate degree because UCI's Chemistry program was very appealing to him. Even though he initially applied to UCI as a Biological Sciences major, he quickly changed his major to Chemistry because he fell in love with Organic Chemistry. He believes that this is the best decision he has made thus far.

Mohab was the recipient of the Robert Dodens Award last year, and has been admitted to UCI with the Regeant's Scholarship. He is also involved with Coptic Club, where they mainly have talks and presentations from different speakers and clergy members of the Coptic Orthodox Church, and participate in many different charity events. He is also heavily involved with his church St. Marina Coptic Orthodox Church in Irvine. He is involved in a project that was started a few years ago called the Tender Mercies Project (TMP), where he leads a specific service with the Ronald McDonald House in Orange. In this service, they help around the house, which houses families of sick children from all over. Their services range from cleaning the house to cooking and serving dinner to the families.

Mohab does research with Dr. Douglas Tobias in the field of Computational and Theoretical Chemistry. The projects he is working on involve mutations in the γ -crystalline proteins (Class S and D), which have been shown to lead to hereditary cataracts. His role is to use molecular dynamics simulations and multi-conformation Monte Carlo simulations in order to determine the molecular mechanism through which these mutations lead to cataracts.



Mohab Louis

Class of 2020

B.S. Chemistry

What Mohab loves the most about UCI is how the faculty of the Chemistry Department are very approachable and willing to go out of their way to help their students. He believes that they are the best at their jobs, and he truly appreciates them for it. To get involved at UCI, Mohab suggests to just take the first step! He claims that there is no need to be scared about approaching a professor to do research or talk to a club president. He also suggests that to be successful at UCI, it's important to manage time well, and that one can do this by buying a physical planner to help keep the day organized.

Mohab will be attending dental school next year. Some of his hobbies include cooking, playing soccer, and volunteering with his church whenever he can.

Congratulations Mohab! We know you will accomplish great things in your future!

