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PHYSICAL SCIENCES NEWSLETTER

WINTER 2019 EDITION

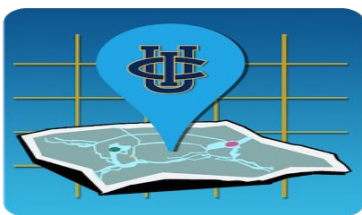
IMPORTANT FALL QUARTER DATES:

In this issue...

- IMPORTANT Fall Quarter Dates
- New Majors
- Minors and New Specializations
- Research Opportunities
- The CalTeach Program
- Math CEO
- Tutoring
- Clubs
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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.

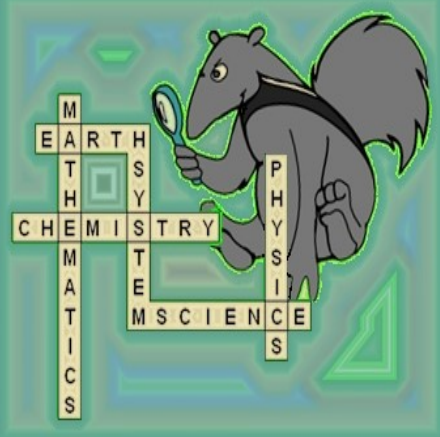
***CHANGE:** The deadline to change grade option or variable units is the end of Week 2 by 5:00PM. Changes can be made using WebReg.

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!



MENTOR 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>

The Physical Sciences Undergraduate Mentoring (PSUM) runs annually from November.

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](#).

NEW!— 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](#).

Faculty Advisor: Roman Vershynin ; Office: RH 540D

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.

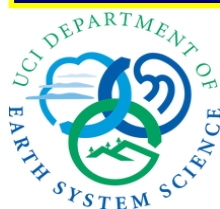
Visit us at <http://ps.uci.edu/>



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 at Natural Sciences 2, room 1201. You do NOT need to be a major to join AMC! Anyone who is passionate about mathematics is welcome. And please visit our Facebook page: <https://www.facebook.com/groups/anteater.math.club/>

EARTH SYSTEM SCIENCE CLUB (ESSC)



The Earth System Science Club at UC Irvine aims to prepare ESS, ES, and students interested students 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. In addition, we serve the local community with ecological volunteering throughout the year. We hope to see you at our next meeting!

Please join our Facebook group for updates on the club and email us anytime at esscirvine@gmail.com. Check out our website at <http://ess-club.wix.com/essc>.

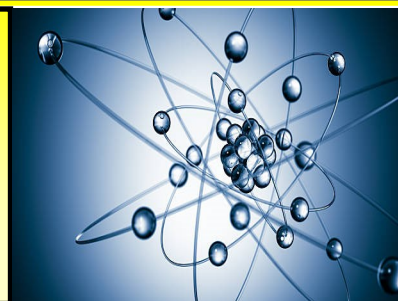
CAL TEACH CLUB (CTC)

The CalTeach Club at UCI is affiliated with UCI's CalTeach Program, which is a 4-year undergraduate program where you can earn your bachelor's degree in Math or Science along with a secondary teaching credential. However, you do not have to be committed to the Cal Teach Program nor be a Math or Science major to be a part of the CalTeach Club. We invite 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 will have snacks, social events, speakers and informative workshops! This is your chance to discover whether or not teaching is for you. 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.



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



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.

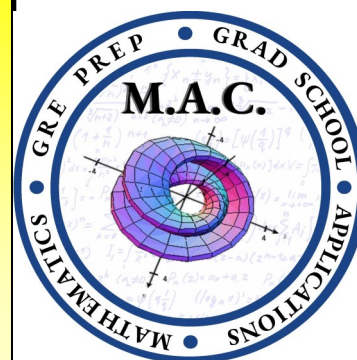
Please visit our website at www.clubs.uci.edu/actuarialsociety for further information and resources provided.

Contact us at actuarialsociety@uci.edu.



MATH ANTEATER COMMUNITY

The mission of the Math Anteater Community is to create an environment in which undergraduate students majoring in math can learn to navigate the graduate application process. Over the course of the academic year, members will learn, gain familiarity, and achieve a developed understanding of the different aspects of applying graduate schools, including, but not limited to, the GRE Math Subject Test, components of an excellent personal statement, independent research, and choosing a graduate school that fits one's academic and personal interests. In addition to the club's long-term goals, Math Anteater Community's quarterly goal is to create a close-knit group of proactive undergraduate math majors and encourage sharing mathematical ideas and experiences. MathAnteaterCommunity@gmail.com



WOULD YOU LIKE TO 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

Math CEO is a Community Educational Outreach program run by faculty and students at UCI, aimed at developing problem solving and critical thinking skills through mathematics, inspiring underprivileged kids to work hard and pursue their dream of college career. Join us by:

1. On Mondays, attend a course (as a free, non-credit course or as MATH 192 for 2 units) to learn how to support middle school students learning math
2. Volunteer to do math with middle school students at UCI on Tuesday from 9-10am and/or on Wednesday from 2-4pm.

Sign up at <https://goo.gl/forms/DTK9vhNZgkyb88W03> and become an inspiring mentor!

For more information, email us at mathceo@math.uci.edu.

You can also watch this video for more information: <https://youtu.be/DyBik87GnHU>

Take a look at this news article as well at <https://news.uci.edu/feature/solving-problems/>

APPLY TO BE A PEER ACADEMIC ADVISOR

Applications are due on January 18th! 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

Jillian LeMaster-Dwyer.....jlemaste@uci.edu

Stefanie Masuda.....masudas@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!

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

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

Alyssa Powers.....acpowers@uci.edu

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

Emma Wilfong.....ewilfong@uci.edu



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

Joseph Najera

Meet Joseph Najera, a 2nd year transfer student in Mathematics with a Concentration in Mathematics for Education/Secondary Teaching Certification. Joseph's exceptional academic record is why he has been selected as our Anteater Spotlight student.

Joseph is from beautiful Santa Ana, California. He transferred to UCI from UC Santa Barbara, where he started his education. While at UCSB, he suffered from seizures which led to him being diagnosed with Brain Arteriovenous Malformation or Brain AVM. Basically, Brain AVM is a tangling of blood vessels in the brain that doesn't allow the brain to transport blood to vital organs properly. After a combination of procedures, medication, and therapy, Joseph thought it best to return to Orange County and take time off to focus on his health. He took a year off, applied to UCI, got admitted, and has loved it ever since! Joseph credits the Disability Services Center (DSC) for his success and when transferring, he really wanted to attend a school that was helpful, caring, accommodating, and useful. He is grateful to the DSC for helping him to overcome the obstacles he has encountered at UCI.

Joseph was originally admitted to UCI as a Pure Mathematics major, but found that the CalTeach Program suited his career goals. His goal had been to finish his bachelor's degree and move on to a credential program, but discovered he could complete both of these at the same time at UCI. He took Phy Sci 5 (Introductory CalTeach course) and was amazed at how the administration and teachers cared so much about their students; he knew this was the program for him.



Joseph Najera
Class of 2020
B.S. Mathematics

Joseph has this sound advice to new students:

"Love yourself. A lot of students have a lot on their plates, and are frequently stressed, tired, and maybe even frustrated with how school may be going. It's okay to take a break every now and then, get into a good mental space, and do whatever needs to be done. Sometimes getting sleep before a test is better than not sleeping at all and attempting the test half-awake. Self-care and balance play larger parts in success. At the end of the day, our mental health is extremely important and often times we neglect it. In order to have the best chance at anything, I think making sure you're okay is what's best."

Joseph loves sports and working with the youth, and plans to be a teacher and youth baseball coach in the future.

Congratulations Joseph! We know that you will accomplish everything you set out to do!

