

# PHYSICAL SCIENCES QUARTERLY

WINTER 2017 EDITION

## ANNOUNCEMENTS/ UPCOMING EVENTS:

## IMPORTANT WINTER QUARTER DATES:



## Physical Sciences Student Affairs



### In this issue...

- Graduation reminder– save the date!
- PS ZotChat is available!
- Like us on Facebook!

facebook

- Math, Chem, Women in Chem, Cal Teach, and ESS clubs
- UCI Math CEO
- Tutoring Info
- Research Opportunities
- Apply to be a PAA!

...and much, much more!

Physical Sciences Student Affairs

ZotChat

ONLINE NOW

ZOT!

CLICK TO CHAT!

**PHYSICAL SCIENCES ZOTCHAT IS AVAILABLE!** Chat live with a counselor/peer advisor to ask general counseling or advising related questions. For more information, click [here](#).

## ADD/DROP POLICIES

is the end of Week 2 by 5:00PM. Add/Drops can be made in WebReg.

**\*\*CHANGE:** The deadline to change grade option or variable units is the end of Week 2 by 5:00PM. Changes can be made in 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. Please see the comments in the SOC for details:**

**NO CHEMISTRY LABORATORY CHANGES AFTER WEEK 1.** Please NOTE: This deadline is earlier than the School of Physical Sciences week 2 deadline.

## CLASS OF 2017: SAVE THE DATE!

The School of Physical Sciences graduation ceremony will be held on **Saturday, June 18, 2017 at 9:00 AM** in the Bren Events Center.

Don't forget to submit those graduation applications, the time is **NOW** if you plan on graduating in the spring or summer. Log in to Student Access today!



Jan. 9 - Instruction begins

Jan. 20 - Deadline to add/drop a class without dean's approval using WebReg (5pm)

Jan. 16 - Martin Luther King, Jr. Day

Feb. 20 - President's Day

Mar. 17 - Last day of classes

Mar. 18-24 - Final Exams

Mar 27-31 - Spring Break

**\*\*ADD/DROP:** The deadline to add or drop courses in the School of Physical Sciences

# 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 to May.

## CAREERS AFTER COLLEGE

[HTTP://PS.UCI.EDU/STUAFF/CONTENT/CAREERS](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 AND BIOLOGY SPECIALIZATION AND MINOR

Interested in math AND biology?

Math majors, there is a **specialization in Mathematical Biology**! Mathematical biology is an integration of using mathematical models and tools and their applications in biology. Mathematical models and simulations are formulated and analyzed in order to answer biological questions.

There is also a **minor in Mathematics for Biology** for non-majors. Both the minor and specialization includes a new course, [Mathematical Modeling in Biology \(Math 113A-B-C\)](#). If interested, please come by our office for more information!

## 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.
- UROP Website: <http://www.urop.uci.edu/>



*The School of Physical Sciences presents*

## Anteater Spotlight

### Jon Pham

Meet Jon Pham, a third year Mathematics major. Being an incredible student is only one of Jon's many achievements. Jon is currently the President of the Anteaters Mathematics Club where he encourages students to get involved in various academic activities such as research with a faculty member and career exploration.

Last year, Jon joined the Summer Undergraduate Research Program (SURP) and did research on a variation of the Gaussian Moat Problem. He will be presenting his research at the annual symposium in the spring. One of his proudest accomplishments was being selected to go to a three-day conference in St. Louis, Missouri with Professors Pantano and Guidotti (and a few other students). While he did do a great deal of work during the conference, he was also able to make time to tour the city. He was able to visit places such as the Cathedral Basilica and the Gateway Arch. In addition, he was invited to visit Washington University at St. Louis to visit their math department. He has had many other accomplishments and awards, but he said that "being able to visit a beautiful city and university with other students and faculty is at the top."

Jon grew up not too far from here and enjoys boxing in his free time. Before coming to UCI, he attended Fountain Valley High School, which is one of the largest public schools in the state! Jon has been very successful here at UCI. He attributes his success to the Anteaters Mathematics Club (AMC) and the friendly classmates and faculty that he has met here. We asked Jon what he would suggest to other students to assist them in their academic future and here is a summation of what he said:

- 1) Students who are taking math courses should do all of the assigned exercises and then challenge themselves by doing some harder problems out of the book. He also recommends that students read through the Professor's notes (if possible) or through the text book, but to not forget that doing practice problems is very important. As he stated: "You don't get good at basketball by watching the NBA." You must practice yourself!
- 2) He wants to make sure that students take care of their mental health. He recommends getting exercise, eating clean, and visiting with friends and family. He notes that this "goes a long way to giving you the necessary morale boost on the day of the exam."
- 3) He recommends that students take advantage of research opportunities especially if they want to go to graduate school.
- 4) Being involved on campus is also an important key to Jon's success. He recommends that students attend the Involvement Fair during the Fall quarter, attend club meetings regularly, and go to professors' office hours.

Jon plans on pursuing his PhD in Mathematics after he graduates from UCI. His goal is to study Number Theory and Analysis.

Congratulations Jon! We think that you will achieve all of your goals!





## ANTEATERS MATHEMATICS CLUB



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

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. Our club will be meeting on Thursday at 6:00PM in PSCB 220 during odd weeks. 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](mailto:esscirvine@gmail.com). Check out our website at <http://ess-club.wix.com/essc>.



## CAL TEACH CLUB



The UCI Cal Teach Club (CTC) was founded in the fall of 2008. The CTC is affiliated with UCI's Cal Teach 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 to be a part of the Cal Teach 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 find out more of what we have to offer and our upcoming events, feel free to contact us at [calteachclub.uci@gmail.com](mailto:calteachclub.uci@gmail.com). so stay updated by visiting our website at <http://calteachclub.blogspot.com!>

## CHEMISTRY CLUB

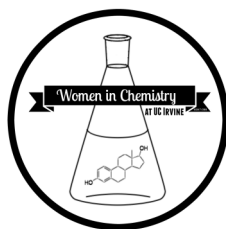
We are the American Chemical Society Student Affiliates (ACSSA) also known as the Chemistry Club at UC Irvine. The Chemistry Club is an undergraduate organization that is committed to helping other undergraduates on campus reach their educational and career goals by showing them many opportunities that are available throughout the field of Chemistry. Our club has many exciting events including research talks, graduate student panels, field trips, experiment demonstrations, and much more!

Every year, we go to the Santa Ana Zoo for National Chemistry Week to do chemistry experiments with children. We also have an outreach program where many of our members are active tutors with various local high schools. Last year, we participated in, and will participate again, in the upcoming 2016 Orange County Regional Science Olympiad (March 5th). Many of our members have written tests and have proctored high school and middle school Olympiad events. We have also collaborated with CaSTL (Center for Chemistry at the Space-Time Limit) by participating in regional ACS events with them.

The UCI Chemistry Club offers many field trips which include visits to the UCI's Nuclear Reactor. We participate in campus events such as Wayzgoose Festival and Relay for Life, and are determined to participate in more. We have also collaborated with other chemistry clubs from neighboring universities (CSULB, UCSD and more) to create networking opportunities for our members. Visit our Facebook Page: [www.facebook.com/ucichemistryclub!](https://www.facebook.com/ucichemistryclub!)



## WOMEN IN CHEMISTRY CLUB



Women in Chemistry at UCI is an undergraduate organization that is focused on strengthening the scientific community and serving as an advocate for women's rights and minorities. We aim to help fellow undergraduates reach their educational goals and provide insights on opportunities within the field of Chemistry. We have a Peer Mentoring Program where we partner senior-level students with underclassmen. These upperclassmen mentors are meant to act as a resource and offer advice to their mentees. As a club, we promote personal and professional development and we strive to encourage the growth of female undergraduate students in Chemistry. We have meetings on Wednesdays at 6:15pm in RH 517. Feel free to contact us anytime at [uciwic@gmail.com!](mailto:uciwic@gmail.com!)

## 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:

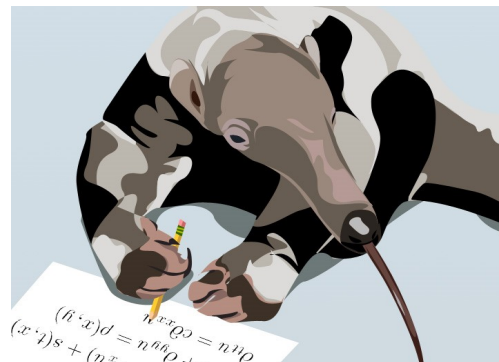
1. On Mondays, attend a course (as a free, non-credit course or as MATH 192 for 2 units) to learn how to support middle school students learning math
2. Volunteer to do math with middle school students at UCI on Wednesday 2-4PM or at Santa Ana schools on Thursday 2-4PM

Sign up [here](#) and become an inspiring mentor!

For more information, email Dr. Pantano at [apantano@uci.edu](mailto:apantano@uci.edu) or visit our [website](#).

**Free and Private tutoring is available for  
CHEMISTRY, PHYSICS, and MATHEMATICS!**

**For more information visit our [website](#).**



## WOULD YOU LIKE TO PARTICIPATE IN RESEARCH?

Visit the Research page of our office website, at

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

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



## APPLY TO BE A PEER ACADEMIC ADVISOR (PAA)!

Applications are available online NOW! Paper applications are also available at the Undecided/Undeclared Advising office at 256 Aldrich Hall. This is a **PAID** position! Learn more about the Peer Academic Advising Program at <http://www.due.uci.edu/paap>. The application is due on January 20th by 4pm. Click on the link for the online application: <http://paap.due.uci.edu/apply/become-a-paa>



## 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.

## MEET THE PEER ACADEMIC ADVISORS!

Our office is open weekdays from 9:00am—4:00pm, and we advise walk-in students every day, no appointment needed. We are in 134 Rowland Hall!

Jamie Hearn.....[hearnj@uci.edu](mailto:hearnj@uci.edu)

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

Bao Vu.....[bgvu@uci.edu](mailto:bgvu@uci.edu)



Questions?.... Please contact a Peer Academic Advisor or Academic Counselor at 949-824-6507, or [pssazot@uci.edu](mailto:pssazot@uci.edu), or come into the 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.