



Cal Teach News

UC Science Mathematics Initiative @ UCSC

~Summer Opportunities Issue~

February 2008

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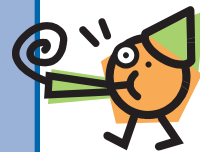
Welcome Winter 2008 Interns!

Forty-five students from Chemistry, Biology, Math, Physics, Environmental Studies, and Earth Sciences are participating in CaT1 and CaT3 internships this winter. We're also very excited to offer the first CaT3 class this quarter with instructor Amy Stucky.

We are glad you're succeeding in your placements this quarter. As a reminder, Cal Teach also offers other resources such as reimbursements for the regular registration fees for the CBEST and CSET and information about becoming a credentialed teacher.

Announcements:

- Mark Bruce Fellowship applications are now under review.
- Cal Teach students can request a permission code for EDUC 92C for the spring quarter. Contact Lea (lea@ucsc.edu) by Feb. 20.
- Sign up for spring '08 CaT2 internships by March 5!
- Apply for fall '08 CaT1 internships in spring quarter.



Mentor Teacher of the Year

Generous Cal Teach benefactors, Stephen and Mona Bruce, have committed to support a new prize, the UCSC Cal Teach Mentor Teacher of the Year! The Teacher of the Year will be a math or science teacher who has inspired or supported the path of a Cal Teach intern toward teaching. The Teacher of the Year will be recognized at the campus' annual teaching award ceremony, receive a \$2,500 personal prize, receive a \$1,000 prize for his or her school, and be the guest of honor at a Cal Teach dinner honoring all nominees. We invite all past and present Cal Teach interns to nominate your favorite teacher for this award by March 31 (the first day of spring quarter). For details, see <http://calteach.ucsc.edu/resources/teacheroftheyear.html>

Director's Note

As we approach the end of two complete years of the program it's exciting to reflect on what we have accomplished and where we are headed:

- The internship program continues to grow and improve. So far, we've had 154 CaT1 interns, 37 CaT2 interns, and 17 CaT3 interns. To simplify scheduling, we now offer CaT1 & CaT2 in two quarters each year.
- We offer informational workshops, enrichment activities, and financial and practical support for CBEST and CSET on a regular basis to support student progress toward success in credential programs.
- Cal Teach students are entering credential programs in larger numbers. Twelve Cal Teach interns applied for UCSC's 2008-09 M.A./credential program (compared to only two last year).

- The Mark Bruce Fellowship, from a generous alumni donation, provides financial support for our graduates in UCSC's M.A./credential program. These students also have highest priority for UCSC's APLE loan forgiveness warrants.
- Changes in undergraduate minor and major offerings are in development to improve pathways into science and math teaching careers. Stay tuned for news of proposals for the STEM Education minor and Earth Science pathway into teaching.
- For the first time in 2007-08, an alumni donation makes it possible to award a prize to celebrate the important role of K-12 teacher mentors in building a strong teacher workforce.

These many successes reflect the enthusiasm, patience, and hard work of UCSC's students, staff, faculty, and alumni, our K-12 colleagues, and higher education partners from around the state. Great work, everyone!

❖ This Summer in Math and Science Teaching

1. COSMOS (UCSC)

• COSMOS Resident Assistant

California State Summer School for Mathematics and Science (COSMOS) is a 4-week academic program for talented and motivated students in grades 8-12. Courses are taught by UCSC faculty and students come from all over CA. COSMOS is hiring Resident Assistants (RAs) for summer 2008 (6/22-7/26). \$10/hr. + room and board (live-in position). See the Career Center listing for full details.

<http://www.careercenter.ucsc.edu/ers/erspub/main.cfm>

2. UC Berkeley

• Cal Teach Summer Institute

This is a partnership with the Lawrence Berkeley National Lab. You will discuss how to develop scientific thinking in your future classrooms and learn how to inspire scientific thinking in students. Cal Teach students receive preferential admission. To complete the "Pre-Service Teacher Institute" application go to: www.sci.ed.gov. Students just ending their junior year are especially encouraged to apply. Questions? Contact Winnie Froehlich, wfroehlich@berkeley.edu

<http://calteach.berkeley.edu/events.html>

3. Moss Landing Marine Lab

• Lab and Field Explorations in Marine Science -

June 23 - 27, 2008,

<http://teach.mlml.calstate.edu/>

4. Marine Biotechnology and Bioinformatics

• 2008 Summer Workshop

Three Saturdays: May 3, 17, 31, 2008 plus two weeks in the Summer: July 7 - 19, 2008,

<http://www.marinebiotech.net/>

5. Chabot Space & Science Center

• Summer Teacher Workshops

• Early Learners and Future Scientists

• Hands-on and Minds-on Climate Change, and more...

<http://chabotspace.org/registration/workshop/>

6. Monterey Bay Aquarium

• Dynamic Cycles Teacher Institute, July 7-11, 2008

The aquarium's Dynamic Cycles Teacher Institute is specifically designed for teachers of middle and high school science. http://www.mbayaq.org/lc/teachers_place/edu_program_cycles.asp

• Coastal Systems Teacher Institute, July 21-25, 2008

The aquarium's Coastal Systems Teacher Institute is specifically designed for teachers of 3rd-5th grade students. http://www.mbayaq.org/lc/teachers_place/edu_program_coastalsystems.asp

7. University of Washington Dept. of Physics

• NSF Summer Institute in Physics and Physical Science for K-12 Teachers

This six-week Institute, supported by the National Science Foundation, is intended to help prepare teachers to teach physics and physical science effectively as a process of inquiry. For applications and additional information:

<http://www.phys.washington.edu/groups/peg/si2008>

Application deadline: February 29, 2008.

8. Save the Bay

• Summer Institute: Gold Rush to the Golden Gate

July 30 - August 10, 2007

<http://www.savesfbay.org/site/pp.asp?c=dgKLLSOWEnH&b=686257>

Upcoming Events:

- February 20: Problem Solving Workshop with Prof. Bruce Cooperstein, 6:30-8:30 p.m., Thimann 391
- March 8: CaT3 fieldtrip to the Exploratorium in SF
- March 15: CSET (late registration deadline, Mar. 4)
- March 31: Mentor Teacher Award Nominations Due
- April 12: CBEST (registration deadline, Mar. 14)
- May 28: Teaching Awards Ceremony

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Check out our website for up-to-date info: <http://calteach.ucsc.edu>

