

SMI CONNECTIONS



Volume III, Issue 2

WINTER, 2010

SMI'S NEW HOME

Throughout Fall 2009, the SMI Resource Center prepared for its move and expansion into Pierce 1315. Shortly before Finals Week in December, the new transformation was realized. Features of the new Center include: a meeting lounge, conference/work group study area, resource library, and multiple technology work stations. The expansion will enable more student-to-student interactions and enable them to study, plan lessons, and network with each other.

The Center's expansion also involved adding teaching-related career resources to improve pre-credential candidates' ability to prepare engaging science and mathematics lesson plans. In partnership with the UCR Library, an online listing of STEM education journals can be found at <http://library.ucr.edu/?view=collections/edser/scimathedjournals.html>. In addition, several new education STEM (science, technology, engineering, mathematics) journal subscriptions will be added to the UCR library. All these accomplishments were funded in part by the US Department of Education's College Cost Reduction Access Act (CCRAA) grant funded to our campus.



Meeting Lounge

If you haven't done so already, please come visit us at our new location, 1315 Pierce Hall. For our weekly office hours, please visit smi.ucr.edu.



Conference/Work Group Study Area



Technology Work Stations



Resource Library

NSF NOYCE SCHOLARSHIPS

SMI students advancing to junior, senior, or credential teaching status in the 2010-11 academic year should consider Robert [Noyce Scholarships](#) for Excellence in STEM Teaching funded by the National Science Foundation (NSF).

Multiple scholarships, up to \$10,000 per award, will be awarded exclusively to future science and mathematics teachers majoring in a STEM discipline. To learn more and download the application, please visit <http://smi.ucr.edu/noyce.html>.

Application Deadlines:

- * 2010-11 Teaching Credential Candidates: February 28, 2010
- * 2010-11 Junior and Senior Level Candidates: March 31, 2010

Contact Person:

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Other Financial Award Competitions

- [California Retired Teachers Association](#)
(Due: TBA)
- [Golden Key Math Scholarships](#)
(Due April 1, 2010)
- [Golden Key Education Achievement Award](#)
(Due: March 1, 2010)
- [National Council of teachers of Mathematics Prospective Secondary Teacher Course Work Scholarships](#)
(Due: May 7, 2010)

Contact Us

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FEDERAL STUDENT AID

There are several types of federally funded financial aid programs based on financial need, academic merit, and potential career interests that include science and mathematics education. To be considered for many of these federal aids, you must submit a completed the [Free Application for Federal Student Aid \(FAFSA\)](#) by March 2, 2010. Below lists some grants and scholarships to consider

- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant
- Cal Grants
- Academic Competitive (ACG) Grant
- National Science and Mathematics Access to Retain Talent (SMART) Grant

For more information, please visit UCR Financial Aid at <http://finaid.ucr.edu/>.

2010-11 Juniors & Seniors & Credential Candidates

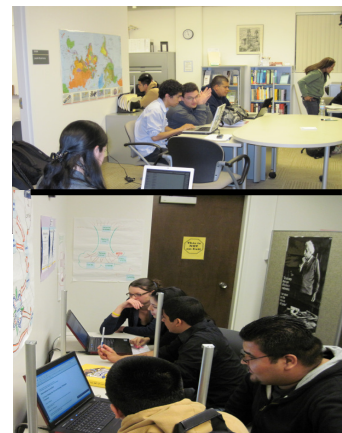


SCHOLARLY REVIEWS & 5E DEMONSTRATIONS

Each winter quarter, SMI offers a 1-unit elective seminar, [NASC 192](#), that affords CNAS and BCOE students opportunities to meet and network with educational professionals from local school districts. In addition to exposing NASC 192 students to a series of informative panel discussions, the class provides students with hands-on connections to scholarly journals focused on science and mathematics education. Students are also mentored directly by Professor Bradley Hyman, SMI faculty director and a National Academies of Education Fellow, to prepare their own unique 5E lesson.



In partnership with the UCR Library, UCR Librarian Christina Cicchetti, designed a customized library page for NASC 192 students (<http://library.ucr.edu/?view=collections/edser/scimathedjournals.html>). Christina also conducted an educational tutorial especially for NASC 192 students to help them effectively navigate through the various library search engines. These two new resources have enhanced the NASC 192 seminar experience.



SMI GUEST SPEAKER SERIES

HUMAN RESOURCES SPECIALISTS PANEL

February 1, 2010 (Monday) at 4:10 to 5:30 p.m.
in INTS 1125

MIDDLE SCHOOL & HIGH SCHOOL

TEACHER PANEL

February 8, 2010 (Monday) at 4:10 to 5:30 p.m.
in INTS 1125

K-12 ADMINISTRATOR PANEL

"BEYOND THE CLASSROOMS"

February 22, 2010 (Monday) at 4:10 to 5:30 p.m. in
INTS 1125

TTSM Events

TTSM (Tomorrow's Teachers in Science and Math) is an on-campus club self-governed by current UCR students considering and/or pursuing science and mathematics education careers. The club's primary purposes are to create a organization where future STEM educators are able to form a community and develop professional leadership and skills. General meetings are scheduled on a bi-weekly basis. Officer meetings are scheduled on a weekly basis. ALL UCR students are welcome to attend the General and/or Officer Meetings.

TTSM Membership is FREE!

Officer Meeting

February 2, 2010 (Tuesday)
4:00 to 5:00 p.m.
Pierce Hall 1315

Officer Meeting

February 9, 2010 (Tuesday)
4:00 to 5:00 p.m.
Pierce Hall 1315

General Meeting

Library Resources at Education Services

February 11, 2010 (Thursday)
5:00 to 6:00 p.m.
Pierce 1315

Officer Meeting

February 16, 2010 (Tuesday)
4:00 to 5:00 p.m.
Pierce Hall 1315

Officer Meeting

February 23, 2010 (Tuesday)
4:00 to 5:00 p.m.
Pierce Hall 1315

General Meeting

Elections & Mock Interviews

February 25, 2010
(Thursday)
5:00 to 6:00 p.m.
Pierce Hall 1315

General Meeting

Planning Spring 2010
March 9, 2010 (Thursday)
4:00 to 5:00 p.m.



For more information, please visit
<http://sites.google.com/site/ttsmatucr/>.

RECOMMENDED COURSES FOR SPRING 2010

[EDUC 4](#): Looking into the Classroom - Science/Mathematics Emphasis

[EDUC 100A](#): Tutorial Teaching: Community Outreach

EDUC 110: Learning and Instruction

EDUC 116: The Exceptional Child
EDUC 174: Reading & Writing in the Content Area

EDUC 177A: Language Development in Content Area

To evaluate the best way to incorporate these courses into YOUR SMI plan, e-mail an SMI Advisor at smi@ucr.edu to schedule an SMI advising appointment.

SMI Reimbursement Programs

SMI provides a variety of financial resources to assist our student participants in satisfying California teaching credential exam (e.g. CBEST and CSET) requirements and to expand their experiences in developing and implementing classroom lessons.

The SMI Reimbursement Programs provide financial help for:

- > EDUC 3 and EDUC 4
- > Classroom Instructional Supplies
- > CSET Preparation Courses
- > CBEST and CSET Examinations

To learn more about the policies and procedures related to these financial resources, please visit the [SMI website](#).

PROFESSIONAL DEVELOPMENT OPPORTUNITIES

[SMI Summer Institute 2010—Scientific Teaching](#): Barring budgetary constraints, the SMI Summer Institute 2010 is tentatively scheduled for early August. This is an intensive training for future and credentialed science and mathematics teachers based on the teaching philosophy modeled in *Scientific Teaching* (Handelsman, 2007). These highly interactive sessions are lead by Professor Bradley Hyman. Application and details will be forthcoming. To view a sample description of the SMI Summer Institute from 2008, please visit http://smi.ucr.edu/summer_institute_2008.html.

[SMI & ALPHA Center Apprentice Programs](#): Recruitment to fill 2010–2011 SMI & ALPHA Center Apprentice positions will begin in late-Winter/early-Spring. This excellent resume building opportunity was designed to recruit SMI participants who have completed, or will have completed, EDUC 3 and EDUC 4 by Spring 2010, maintained good academic standing, and have passed the CBEST Exam. Current Apprentices are paid at \$25 per hour.

[Women, Mathematics, Science: Energizing and Inspiring Passion and Performance](#)

Dr. Pamela Clute will conduct a high-energy presentation focusing on the importance of mathematics and science education to our country's economic vitality, our personal quality of life, and our national security, using interesting and relevant real life examples that inspire and set the stage for meaningful and continued learning.

Thursday, February 11, 2010
12:00 p.m.
Surge 367

[National Council of Teachers of Mathematics \(NCTM\) Annual Meeting & Exposition](#)

Connections: Linking Concepts and Context
April 21–24, 2010
San Diego Convention Center

Rejuvenate your teaching strategies and collaborate with some of the best minds in the mathematics education field. The NCTM 2010 Annual Meeting is one professional development opportunity you don't want to miss. Whether you're a first year teacher, a teacher of teachers, or have an interest by grade band, there is something at this conference for you!