



DESCRIPTION & GOALS

SCIENTIFIC TEACHING

Professor Bradley C. Hyman, University of California - SMI Faculty Director, Professor of Biology and Dr. Amy Prunuske, Teaching Postdoctoral Fellow, University of Wisconsin, will lead the 2010 SMI Summer Institute. This novel summer opportunity will train future and credentialed science/mathematics teachers in the newest pedagogies. Through a 3-day intensive training, participants will learn about teaching principles of:

- Active learning
- Assessment
- Diversity

Training activities will include:

- Interactive presentations
- Devising teachable tidbits
- Understanding by design (or backwards design)

Participants will receive teaching materials to assist in implementing these new pedagogical skills.

Ultimate Goal: To equip teachers with hypothesis-based teaching, converting mathematics and science classrooms into “teaching and learning laboratories” in an effort to further student engagement in secondary science and mathematics classrooms.

Application Deadline:

May 28, 2010

Dates:

Tuesday, August 17, through
Thursday, August 19, 2010

Time:

9:00 a.m. to 3:00 p.m.

Location:

On the UCR campus
(specific location- to be determined)

Fee:

FREE

Eligible Applicants:

- SMI Student Participants
- Completed EDUC 3 or equivalent

To Apply:

Submit completed application (see brochure) to the SMI Resource Center at 1315 Pierce Hall, Riverside, CA 92521

****Participants' Stipend****

\$500 upon completion
of SMI Summer Institute training



SMI
2010 SUMMER
INSTITUTE
SCIENTIFIC
TEACHING



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APPLICATION FOR SMI SUMMER INSTITUTE

SCIENTIFIC TEACHING FOR UCR-SMI STUDENTS

Please see reverse side for application instructions and eligibility. If necessary, please attach additional paper to complete your responses.

Applicant's Full Name: _____ UCR Student ID # (if applicable): _____

Cumulative GPA: _____ Expected Graduation Date: Quarter/Year _____ Major _____ Degree Type (circle one) B.S. B.A.

1. Briefly describe your interest in the SMI 2010 Summer Institute and include how your background and career goals relates to the goals of the SMI Summer Institute.

2. Do you wish to teach science or mathematics? What was the seminal event in charting your direction towards a teaching career?

3. Briefly describe your experience with developing and implementing lesson plans.

4. In your opinion, what makes a lesson effective?

5. What additional teaching enrichment programs have you participated in?