



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:**

Credentialed science and mathematics teachers

**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 CREDENTIALLED TEACHERS**

Please see reverse side for application instructions and eligibility. (Use additional paper if necessary)

Applicant's Full Name: \_\_\_\_\_

Have you served as an SMI Mentor Teacher? (please circle one)    YES        NO    If yes, which academic terms \_\_\_\_\_

List the name of the school where you are currently teaching \_\_\_\_\_ Name of your current school district \_\_\_\_\_

List your most professional development during the last 5 academic years.

Training Session: \_\_\_\_\_ Date of Completion: \_\_\_\_\_

Training Session: \_\_\_\_\_ Date of Completion: \_\_\_\_\_

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

Briefly describe your current instructional strategies for teaching the subject of mathematics or sciences.

In your opinion, what makes a lesson effective?