

## DESCRIPTION & GOALS

### SCIENTIFIC TEACHING

Professor Bradley C. Hyman, SMI Faculty Director and Faculty Member in the Biology Department, will lead the 2008 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 implement these new pedagogical skills.

**Ultimate Goal:** To equip teachers with research-based teaching to return excitement back to secondary science and mathematics classrooms.

**Application Deadline:**  
**FRIDAY, MAY 2, 2008**

#### **Dates:**

Monday, June 16, through  
Wednesday, June 18, 2008

#### **Time:**

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

#### **Location:**

On UCR campus  
(specific location- to be determined)

#### **Fee:**

FREE

#### **Eligible Applicants:**

- SMI students  
(completion of EDUC 3 or equivalent)
- Credentialed science and mathematics teachers

#### **To Apply:**

Submit completed application (see brochure) to the SMI Resource Center at 1104 Pierce Hall, Riverside, CA 92521

**\*\*Participants' Reward\*\***  
\$500 upon completion  
of SMI Summer Institute training

SMI

2008 SUMMER  
INSTITUTE  
SCIENTIFIC  
TEACHING



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APPLICATION FOR SMI SUMMER INSTITUTE

SCIENTIFIC TEACHING

Please see reversed side for application instructions and eligibility.

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

UCR Cumulative GPA (if applicable): \_\_\_\_\_ Expected Graduation Date (if applicable): Academic Quarter \_\_\_\_\_ Year \_\_\_\_\_

1. Briefly describe your interest in the SMI 2008 Summer Institute and include how your background relates to the goals of the SMI Summer Institute.

2. Do you wish to teach science or mathematics? What was the seminal event in chartering 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?