



FOSS Middle School Summer Workshop

FOSS Chemical Interactions Course

July 21–25, 2008, at Lawrence Berkeley National Lab
University of California at Berkeley

Lawrence Berkeley National Laboratory



This weeklong workshop will include

- In-depth experience with all of the investigations in the FOSS Chemical Interactions Course for grades 7–8, presented by the developers of the course.
- A tour of the Lawrence Hall of Science where the FOSS project is housed.
- Tour of the Lawrence Berkeley National Laboratory research facilities, including The Advanced Light Source's Chemical Dynamics and Molecular Environmental Science Beamlines, the Molecular Foundry, and the Berkeley Center for Structural Biology.
- Presentations by leading researchers in chemical sciences at the Lab, including chemical physics and the dynamics of chemical reactions, the structure and reactivity of transient species, electron spectroscopy, surface chemistry and catalysis, electrochemistry, chemistry of the actinide elements and their relationship to environmental issues, and atomic physics.
- An audience with Albert Ghiorso to hear his stories of the people and pioneering research leading to the creation of transuranium elements.

This workshop is sponsored by

The Center for Science and
Engineering Education

The Lawrence Hall of Science

Delta Education



Workshop Information

Workshop location

Lawrence Berkeley National Lab
University of California at Berkeley
<http://csee.lbl.gov/>

When

July 21– 25, 2008

Who should apply?

The workshop is designed for curriculum coordinators, FOSS consultants involved in professional development of middle school teachers, and grades 7–8 teachers planning to use the Chemical Interactions Course in their classrooms. We will discuss the FOSS teaching strategies, learning needs of middle-level students and teachers, and the use of science notebooks and assessment as they relate to this new FOSS course. As a result of the workshop, participants will be prepared to teach the **Chemical Interactions Course** to other educators and to support them in their teaching. Each participant will receive a set of the teacher and student print materials.



Registration deadline: June 20, 2008

There is a \$150 registration fee for this 5-day workshop. Registration is limited to 30 participants. The registration deadline is **Friday, June 20**. Send the registration to Linda De Lucchi at the Lawrence Hall of Science. Include a check payable to: The **Regents of the University of California**.

Lodging

A block of rooms is being held at the Doubletree Hotel at Berkeley Marina, Berkeley, CA. Call the Doubletree directly (510-548-7920) to reserve a room on or before **June 20**. You should identify yourself with the **FOSS Chemistry Workshop**.

Food

Morning refreshments and lunch will be provided each day of the workshop. We will have a group dinner at the Lawrence Hall of Science Wednesday evening, July 23.

Transportation

Travel to and from the workshop is your responsibility. If you will be flying in, use either the Oakland Airport (closer and more convenient) or San Francisco Airport. Plan to arrive Sunday, July 20. Information about shuttles from the airport to the hotel will be included with your confirmation. We will provide transportation between the hotel and the workshop each day.

More information

For additional information, contact Linda De Lucchi, FOSS, Lawrence Hall of Science, UC Berkeley, Berkeley, CA 94720 Phone 510-642-8941 FAX 510-642-7387 ldelucch@berkeley.edu



View information about FOSS Chemical Interactions at www.fossweb.com

Application—Deadline is June 20

**FOSS Chemical Interactions Course
Summer Middle School Workshop (grades 7–8)
Lawrence Berkeley National Laboratory
University of California at Berkeley
July 21–25, 2008**

Contact information

Name _____

School, district, or institution _____

Summer address _____

City _____ State _____ Zip _____

Your position _____

Phone _____ Fax _____

Email _____

Briefly describe your district implementation plans for the FOSS Chemical Interactions Course.

What do you plan to do as a result of participating in this workshop?

Registration deadline: June 20, 2008 (Include a check for \$150 payable to: The Regents of the University of California.)

Send your application and check to:

**Linda De Lucchi, FOSS Project
Lawrence Hall of Science
University of California
Berkeley, CA 94720**

**Phone 510-642-8941
FAX 510-642-7387**

