



ERNEST ORLANDO LAWRENCE  
BERKELEY NATIONAL LABORATORY

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Environment, Health, & Safety  
Training Program

**EHS 243 – Soldering Awareness Training**  
Course Syllabus

**Subject Category:** General  
**Course Length:** 0.5 hour  
**Delivery Mode:** Web-based

**Course Prerequisite:** None  
**Medical Approval:** None

**Course Purpose:** This course provides training in safe soldering work practices. It trains employees in the variety of soldering products and their potential health effects, and how to be alert to the possible presence of those effects even when exposure is below established limits and guidelines.

**Course Objectives:**

1. Identify typical hand soldering products and procedures
2. Recognize potential hazards associated with soldering
3. Identify possible routes of exposure when soldering
4. Identify typical personal protective equipment to use when soldering
5. Recognize when an exposure assessment may be recommended
6. Identify additional methods to protect yourself from exposure

**Subject Matter Expert:** John Seabury

**Web-based Instructional Designer:** Brooke Vaughn

**Course Instructional Materials:** Web-based course. A PDF downloadable version of the course is available within the course. A three-page handout *Safe Soldering Work Practices*, is also available for download within the course.

**Performance Criteria:** Employees will be asked to demonstrate what they have learned from the web-based training by taking a quiz at the end of the course. Employees must pass the quiz with a 100% score to receive course credit.

**Web Resource:** EH&S Training Program web page @ <http://www.lbl.gov/ehs/html/training.htm>