



ERNEST ORLANDO LAWRENCE  
BERKELEY NATIONAL LABORATORY

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Environment, Health, & Safety  
Training Program

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**EHS 356 Nano Safety for Crafts and Technical Work**  
Course Syllabus

**Subject Category:** General  
**Course Length:** 30 minutes  
**Delivery Mode:** Web-based Training

**Course Prerequisite:** EHS0348 or EHS0345  
**Medical Approval:** None  
**Frequency:** None

**Course Purpose:** The purpose of this course is to train crafts and technical workers about the hazards that may be associated with potential exposure to engineered nanoparticles while performing their work. This course will also provide workers the knowledge needed to implement the necessary controls to minimize the possible hazards.

**Course Objectives:**

Upon completion of this training employees should be able to:

- Recall what a nanoparticle is
- Identify possible routes of exposure
- Recognize potential exposure hazards associated with working with or near nanoparticles
- Recognize administrative controls set in place for exposure prevention
- Recall when to use and how to obtain personal protective equipment
- Identify how to properly dispose of potentially contaminated items
- Acknowledge what to do when a spill occurs

**Subject Matter Expert:** Larry Mcclouth

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

**Training Compliance Requirements:** DOE Notice 456.1 The Safe Handling of Unbound Engineered Nanoparticles

**Course Instructional Materials:** Web-based course and a PDF downloadable version of the course is available 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 80% score to receive course credit.

**Web Resource:** Chemical Hygiene and Safety Plan - <http://www.lbl.gov/ehs/chsp/index.shtml> , EH&S Training Program web page @ <http://www.lbl.gov/ehs/html/training.htm>