
Environment, Health, & Safety
Training Program

EHS 739 ~ Biosafety Training for Researchers

Course Syllabus

Subject Category:	Biosafety	Course Prerequisite:	No
Course Length:	60 minutes	Medical Approval:	No
Delivery Mode:	Online		

Course Purpose: This course ensures that researchers conducting work with biological materials or agents in LBNL laboratories understand standard and basic biosafety principles and requirements needed to:

- Assess biosafety-related hazards and risks; and
- Find, select, or use appropriate biosafety controls such as biosafety level 1 and 2 practices, equipment, and facilities

Course Content:

- Work planning and risk assessment
- Biosafety containment levels
- Personal Protective Equipment and clothing
- Biosafety labels and signs
- Facilities, equipment, and practices
- Decontamination, waste, and pests
- Transport and shipping
- Emergency and incident response
- Competency and responsibilities

Subject Matter Expert: EHSS Biosafety Officer

Training Compliance Requirements: This course meets training requirements and guidelines covered in LBNL ES&H ISM and training policies, the Biosafety Manual/Program, and the following biosafety-related standards:

- OSHA Bloodborne Pathogens Standard (29 CFR 1910.1030(g)(2))
- *NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules* (Section IV-B)
- CDC/NIH Biosafety in Microbiological and Biomedical Laboratories 5th ed.
- DOE Worker Health and Safety Program (10 CFR 851.25)

Participant Evaluation: Online – course evaluation is available after completing the training

Written Exam: Online – each module includes one or more activity to check for comprehension.

Practical Exam: None

Retraining/Recertification: None

WEB Resource:

- EHSS Training Program web page @ <http://www.lbl.gov/ehs/html/training.htm>
- Biosafety Manual @ <http://www.lbl.gov/ehs/biosafety/manual/index.shtml>