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