



**Environment, Health, & Safety
Training Program**

EHS 739 ~ General Biosafety Training

Course Syllabus

Subject Category:	Occupational Safety	Course Prerequisite:	No
Course Length:	45 minutes	Medical Approval:	No
Delivery Mode:	Online or Classroom		

Note: Classroom course is a combined 1.5 hour session that includes [EHS 735 \(Bloodborne Pathogen Training\)](#) and EHS 739.

Course Purpose: This is an introductory course on Biosafety that covers definitions of biological and biohazardous materials, risk groups, biosafety containment levels and controls, LBNL's biosafety policy and the role of the Institutional Biosafety Committee, and other general biosafety principles and requirements. This introductory course on Biosafety is mandatory *prior* to commencing work on organisms of risk group 2 or greater. It is required training for work with all biologicals.

Course Objectives: EHS 739 covers the following topics:

- Definitions of biological and Biohazardous materials.
- The four agent risk groups and corresponding CDC/NIH Biosafety levels.
- LBNL's Biosafety Policy and the Role of the Institutional Biosafety Committee (IBC).
- Specific work practices, labeling, engineering controls, and personal protective equipment used for working at Biosafety levels 1 and 2.
- Disinfection, spill response, and proper shipping of biologicals.

Subject Matter Expert: Bruce King (x2768)

Training Compliance Requirements: This course is designed to explain LBNL's obligation to the National Institute of Health (NIH) and the DOE to review all work involving biologicals by use of a registration and approval process governed by the LBNL Institutional Biosafety materials.

Other supervised laboratory "bench" training is also required prior to working with biologicals. The extent of this hands-on supervised training depends on the risk groups of the agents, the Biosafety level of the work, the specific tasks involved, and the prior experience and training of the personnel involved. This supervised training is the responsibility of the Principal Investigator.

Exam: Students must score at least 80% on three multiple-choice challenge exams, one after each section of the course.

Practical Exam: None

Retraining/Recertification: None

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