
Environment, Health, & Safety
Training Program

EHS 0170 Cryogen Safety at LBNL

Course Syllabus

Subject Category:	Cryogenics	Course Prerequisite:	none
Course Length:	Approximately 30 minutes	Medical Approval:	none
Delivery Mode:	Web Based		

Purpose: The purpose is to communicate the main hazards and controls associated with work involving cryogenics so that workers have a foundation for working safely. It is intended as a support to on-the-job training so that workers have a foundation in understanding the potential risks associated with cryogenics and the measures the Lab uses to mitigate and prevent these. The training incorporates Lessons Learned as a way for participants to identify safety issues, some of the factors that led to their occurrence and how they can be prevented.

Course Objectives: At the end of this course, you will be able to:

- Identify three primary hazards associated with cryogenics and methods used to control these
- Identify PPE requirements for working with cryogenics
- Given a series of lessons learned, be able to identify causes of injuries and factors that could have prevented them
- Identify first aid response measures associated with working cryo splash and cryo burns
- Identify requirements for transporting and shipping cryogenics
- Identify how to safely fill a transfer Dewar from a large 160L Dewar

Written Exam: No Exam: No

Retraining/Recertification: No

WEB Resource: EH&S Training Program web page @ training.lbl.gov

EHS Subject Matter Expert: EHS Pressure Safety and Cryogenics SME

EHS Course Developer: Berkeley Lab Training