



ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY

Environment, Health, & Safety
Training Program

EHS 231 ~ Compressed Gas and Cryogen Safety
Course Syllabus

Subject Category: Compressed Gas and Cryogen Safety
Course Length: 3 hours
Delivery Mode: Web-based Training

Course Prerequisite: No
Medical Approval: No

Course Purpose: This course is designed to provide information to enable employees/students to safely work with compressed gasses in "typical" bottled gas applications or similar, at working pressures up to 150 psig; can safely assess the pressure hazards associated with vacuum systems; and can safely work with cryogenics such as liquid nitrogen and liquid helium.

Course Objectives:

- Understand the hazards related to use of compressed gas systems and cryogenics
- Review LBNL's requirements for simple gas pressure systems, vacuum systems and cryogenics
- Discuss what and when additional hazard controls are necessary
- Provide resources

Subject Matter Expert: John Seabury

Training Compliance Requirements: 29 CFR 1910.169, 29 CFR 1926.35

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.

Retraining/Recertification: No

WEB Resource: EH&S Home page, PUB3000, Chapters 7 and 13.