



Environment, Health, & Safety
Training Program

EHS 300~ Fiber optic Safety

Course Syllabus

Subject Category:	Industrial Hygiene	Course Prerequisite:	No
Course Length:	45 minutes		
Medical Approval:	No		
Delivery Mode:	Class or one-on-one		
Schedule:	By special request (contact EHS Training 510-495-2228)		

Course Purpose: This course is designed to provide the LBNL user of fiber optic communication systems installers and service staff with information on the hazards of laser fiber optics, along with its control measures. Such training is required under ANIS Z136.2

Course Objectives:

After completing this training, the student will be able to:

- Provide information on biological effects of laser wavelengths
- Describe the hazards presented by optical communication fiber optics
- Choose appropriate control measures to work safely with optical communication fiber optics
- Explain the utility of the laser hazard classification system to your safety

Course Instructional Materials:

Power point presentation

Instructor: LBNL Laser Safety Officer

Training Compliance Requirements: 8CCR 3203; Work Smarts Standards (OSHA), ANSI Z136.2

Course Evaluation: Written evaluations regarding the effectiveness of the trainer, the training, and the visual aids.

Written Exam: No

WEB Resource:

PUB-3000, Chapter 16 Laser Safety - <http://www.lbl.gov/ehs/pub3000/CH16.html>

Appendix B. AHD Guidelines for Laser Alignment

EH&S Website: Industrial Hygiene/Laser Safety Group - <http://www.lbl.gov/ehs/ih/lasers/index.shtml>