



Environment, Health, & Safety
Training Program

EHS 410 X-Ray Operator Safety
Course Syllabus

Subject Category: Radiation Protection

Course Length: 1.5 hour

Delivery Mode: Classroom or Challenge Exam*

Schedule: By special request

Course Prerequisite: EHS 400

Medical Approval: None

Course Purpose: This course is designed to provide information on the safe use of x-ray machines for X-Ray Radiation Workers, X-Ray System Supervisors, Assistant X-ray System Supervisors, X-ray Use Instructors and X-ray Maintenance Personnel at LBNL.

Course Objectives: The course covers the following topics:

- Overview of the X-Ray Authorization at LBNL
- Basic provisions of the X-Ray program at LBNL

Course Instructional Materials:

- Overhead Projector
- VCR for Video Double Edged Sword

Instructors: Robert Fairchild (x2278)

Training Compliance Requirements: §10CFR835 section 901 (b), which states that each individual shall demonstrate knowledge of radiation safety topics before operating a radiation-producing machine.

Course Hand-outs: Copy of the course slides

Participant Evaluation: No

Written Exam: Yes

Practical Exam: No

Retraining/Recertification: Every two years. Documented as EH&S 401.

***Challenge exam:** A challenge exam may be taken, in lieu of attending most of the class, by individuals with adequate prior training experience in radiation protection, a brief orientation will still be required. Contact Robert Fairchild (x2278) for information on taking the challenge exam.

Web Resource: EH&S Training Program website: www.lbl.gov/ehs/training/index.shtml
LBNL Pub. 3000. Chapter 21: www.lbl.gov/ehs/pub3000/CH21.html