



Environment, Health, & Safety
Training Program

EHS 405- General Employee Radiation Training (GERT)
Course Syllabus

Subject Category: Radiation Protection

Course Length: .5 hour

Schedule: EH&S Web-Based Course

Location/Time: N/A

Course Prerequisite: No

Medical Approval: No

Course Purpose: This course provides general information about radiation, its risks, the controls Berkeley Lab implements to ensure the safety of workers and the environment, and each individual's rights and responsibilities.

Course Objectives: EH&S 405 covers the following topics:

- Natural and man-made sources of radiation.
- Occupational dose limits and the risks associated with radiation exposure.
- Laboratory precautions for protecting the embryo-fetus.
- Laboratory methods of monitoring radiation exposure.
- Radiation safety controls.
- Radiation signage at the Lab.
- Radioactive materials and radiation-producing machines use at the Lab.
- Employee/Visitor responsibilities regarding radiation safety.
- Laboratory and external resources and references for radiation safety.

Course Instructional Materials:

- Pub-3152

Contacts: Radiation Protection Group

Training Compliance Requirements: This course is designed to meet the requirements of 10CFR835.910 (a), which states that each individual shall complete radiation safety training prior to being permitted unescorted access to Controlled Areas and before receiving occupational dose during access to Controlled Areas at a DOE site or facility.

Participant Evaluation: No

Written Exam: Online Exam

Practical Exam: No

Retraining/Recertification: Every two years

WEB Resource: EH&S Training Program website: <http://ehswprod.lbl.gov/EHSTraining/GERT/>
LBNL Pub. 3000. Chapter 21: www.lbl.gov/ehs/pub3000/CH21.html