



Environment, Health, & Safety
Training Program

EHS ~ 407 Radiation Protection – Advanced Contamination Control

Course Syllabus

Subject Category:	Radiation Protection	Course Prerequisite:	EHS 400 & 432
Course Length:	1.5 hours	Medical Approval:	No
Delivery Mode:	Class		
Schedule:	By Special Request		
Location/Time:	Bldg. 70A-1145		

Course Purpose: This course is designed to provide radiation workers at the Heavy Elements Research Lab (HERL) and the Hazardous Waste Handling Facility (HWHF) with the skills to safely work with radioactive materials that require the use of a glove box. The advanced concepts presented in this course include use of alpha detectors, pass through of radioactive material, glove box safety, and changing of glove box gloves.

Course Objectives:

- Glove box pre operational checks
- Safe use of a glove box
- Personnel Protective equipment
- Pass in/out of radioactive materials
- Monitoring of alpha contamination

Course Instructional Materials:

- Alpha detector
- Non-contaminated glove box

Instructors: John Van Wart (x6144)

Training Compliance Requirements: This course is designed to meet, in part, the requirements of 10CFR835 section 901 (b), which states that each individual shall demonstrate knowledge of radiation safety topics:

1. before being permitted unescorted access to radiological areas, and
2. before performing unescorted assignments as a radiological worker.

Other radiation protection courses may be required and will be specified in the RWA, SSA or RWP covering work.

Course Handouts:

- Study guide

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

Written Exam: No

Practical Exam: Yes

Retraining/Recertification: Every three years

WEB Resource: EH&S Training Program web page @ <http://www.lbl.gov/ehs/html/training.htm>.