

Radiation Worker II 16-Hour

Sample Matrix

NOTE: *Reflects DOE Handbook, Radiological Worker Training, DOE-HDBK-1130-2008

Day	Subject	Recommended Materials	Activities
1	Course Introduction	Radiological Worker manual module 1 (M-078), and Radiological Worker Instructor CD (C-078)	Activity 1.1 in the manual
	Radiological Fundamentals	Radiological Worker manual module 2	
	Biological Health Effects of Radiation	Radiological Worker manual module 3	Activity 3.1 in the manual
	Radiation Dose Limits	Radiological Worker manual module 4	
	ALARA	Radiological Worker manual Module 5	Show videos located on Instructor CD: <ul style="list-style-type: none"> • Distance • Inverse Square Law • Shielding
	Personnel Monitoring Programs	Radiological Worker manual module 6	Show video located on Instructor CD: <ul style="list-style-type: none"> • Charging Dosimeter Activities 6.1 and 6.2 in the manual
	Radiological Access Controls and Postings	Radiological Worker manual module 7	
2	High and Very High Radiation Areas	Radiological Worker manual module 8	
	Radiation Contamination Control	Radiological Worker manual module 9	Activities 9.1, 9.2, and 9.3 in the manual
	Radiological Emergencies	Radiological Worker manual module 10	Show video located on Instructor CD: <ul style="list-style-type: none"> • IUOE RWII Emergency Activity
	Hands-on Labs		Set up the following hands-on stations using tables, break class into groups to complete stations: <ul style="list-style-type: none"> • Geiger counter with pancake probe • Radiological sealed sources (alpha, beta and gamma) • Pencil dosimeters and chargers • Various personal dosimeters
	Course Review and Test		Final Test located on the Instructor CD

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*Note: Additional site specific practical factors may be required for completion of the RW II.			
<p>Recommended evaluation for RW II consists of the following topics:</p> <ol style="list-style-type: none"> 1. Review an appropriate Radiological Work Permit (RWP) 2. Record the appropriate information on the RWP 3. Select required dosimeter(s) and protective clothing 4. Don protective clothing and dosimeter(s) 5. Enter simulated area and demonstrate contamination control practices 6. Remove protective clothing and dosimeter(s) 7. Monitor for contamination 8. Respond to emergency situations or abnormal radiological situations 			