

## Portable XRF Course Syllabus

### Overview

This course is aimed at personnel who are supervising the use of Portable XRF (x-ray fluorescence) devices on behalf of their organisation.

It does not permit the repair or maintenance of equipment or allow personnel to perform alignment procedures where safety interlocks are to be defeated.

This course provides course participants with the skill and knowledge requirements for the radiation management of Portable XRF equipment including aspects such as auditing and compliance; radiation exposure; and incident response.

### About this Course

Under the Radiation Safety Act 1975, the use of Enclosed X-ray Equipment (Diamond and Ore Sorting) must be performed under the supervision of a competent and licensed person. This course aligns with the NHMRC (ARPANSA) RHS22 Statement on Enclosed X-ray Equipment for Special Applications (1987).

A moderate level of mathematical understanding is required to successfully complete this course.

### Course Details

<b>Location:</b>	West Leederville, WA
<b>Duration:</b>	Half Day
<b>Times:</b>	8:00 am – 12:00 pm (approx.)
<b>Cost:</b>	\$450 + GST

### Course Variations

Custom presentation and training packages are available to meet your organisation's needs, with training that can be delivered on-site on a date that suits you. For custom course development and delivery, please get in touch with our training team at +61 (08) 6117 4095 or [training@radsol.com.au](mailto:training@radsol.com.au)



## Course Structure

- An Introduction to Radiation
- Radiation in Perspective
- Radiation Dose, Measurement & Protection Principles
- Regulatory Considerations
- X-ray Analysis Introduction & Equipment
- Enclosed X-ray Equipment (Special Applications)
- Safety Aspects of XRA
- Basic Calculations (Exposure, Time, Distance & Inverse Square Law)
- Procedures: Radiation Management Systems; Security; Emergency Response
- Assessment

## Assessment

Multiple practical exercises and activities are included throughout the course, and theoretical understanding is assessed against the Radiological Council requirements.

## Certification

A Statement of Attainment is issued upon successful completion of this course.

## Why work with Radsol?

We have proven know-how and reliability, with a reputation for prompt and professional service throughout Australia.

Our consultants are highly skilled and have extensive experience working in regulatory and industrial radiation management capacities. They are commended for their ability to discuss radiation safety in simple terms and to put the risks into a real-world perspective.

We're here to help no matter what you require in radiation management. We can deliver a timely and customised solution to suit your needs.

