



## RADIATION SAFETY COURSE

### AIM:

At the end of this course, participants will be able to identify and manage the hazards involved with using radioactive substances and apparatus.

### PROGRAM DURATION:

2 Half-Day Training Course generally run from 9am to 12:30pm.

### Day 1

9.00 - 10.30am	<b>Health Physics</b> <ul style="list-style-type: none"> <li>Part 1 - Introduction to Radiation Physics</li> <li>Part 2 - Interaction of Radiation with Matter</li> </ul>
10.30 - 11.00am	<b>Morning Tea</b>
11.00 - 11.45am	<b>Radiation Units</b> <b>Radiation Detection and Measurement</b> <ul style="list-style-type: none"> <li>Monitoring Programme</li> <li>Workplace Monitoring and Measurement</li> <li>Personal Monitoring</li> <li>Role of the ICRP</li> <li>Occupational Public Effective Dose Limi</li> </ul>
11.45am - 12.30pm	<b>Unsealed Sources - Part 1</b> <ul style="list-style-type: none"> <li>Control of internal hazards</li> <li>Control of external hazards</li> </ul> Contamination video - discussion

### Day 2

9.00 - 10.15am	<b>Unsealed Sources</b> Contamination video - Part 2 Radioisotope video <ul style="list-style-type: none"> <li>General Laboratory Safety when working with unsealed sources</li> <li>Specific Information on Commonly Used Isotopes</li> <li>Management of Radiation Work</li> </ul> <b>Part 2</b> <ul style="list-style-type: none"> <li>Radioisotope laboratories</li> <li>Emergencies and Decontamination</li> <li>Waste Management</li> <li>Transport</li> </ul>
10.15 - 10.45am	<b>Morning Tea</b>
10.45 - 11:45am	<b>Sealed Sources and Ionising Equipment</b> <ul style="list-style-type: none"> <li>X-rays</li> <li>Sealed Sources</li> </ul>



	<ul style="list-style-type: none"> <li>• NHMRC Code of Practice</li> <li>• Safety Guidelines for Use of X-Ray Analysis Apparatus</li> </ul> <p>X-ray diffraction video</p>
11.45am - 12.05pm	<p><b>Regulatory Provisions</b></p> <ul style="list-style-type: none"> <li>• New Radiation Control Act (1990)</li> <li>• Responsibilities of the Organisation</li> <li>• Responsibilities of Radiation Workers</li> <li>• Responsibilities of the Radiation Health &amp; Safety Coordinator</li> <li>• Radiation Safety Committee</li> <li>• Registration of Premises</li> <li>• Consultation Radiation Experts</li> </ul>

To register for this course use the [Online Training Registration](#) form.

For further information, contact: [Bob Armstrong](#) at the RMU on 9385 2912.

This course includes full notes (participant handbook) and a Guide to Radiation Essentials.

**BOOKINGS:**

Minimum limit of **10 people** and Maximum limit of **16 people**.