



Medical & Scientific Services

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**TO: TRAINING OFFICER**

# **X-RAY SERVICE RADIATION SAFETY COURSE**

The course is appropriate for personnel servicing diagnostic X-ray machines. The nature of hazards is outlined, how protection might best be afforded, appropriate working techniques to minimize the radiation dose and administrative arrangements and legal obligations.

The course has been approved by the Radiological Council and fulfils the necessary training requirements for personnel servicing diagnostic X-ray machines under the Radiation Safety Act WA 1975. A test concludes the course. A pass mark of at least 65% is required.

## **Timetable:**

### **Day 1**

9.00 – 10.30	Basic Radiation Physics
10.30 – 11.00	TEA
11.00 – 12.00	Image formation
12.00 – 13.00	LUNCH
13.00 – 14.00	Radiation Instrumentation and Detection
14.00 – 15.30	Biological Effects of Radiation and Radiation in Perspective
15.30 – 16.00	TEA

### **Day 2**

9.00 – 10.00	Principles of Protection/Practical
10.00 – 10.30	TEA
10.30 – 12.00	Legislation and Case Histories
12.00 – 13.00	LUNCH
13.00 – 13.30	Quality Assurance
13.30 – 14.30	Other Imaging Modalities and XRT
14.30 – 15.00	TEA
15.00 – 16.00	Exercises

**Course Notes:** Will be provided at the course

**Fee:** \$1000 + \$100 gst

**Contact and bookings:** **Jonathon Thwaites**  
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*Please circulate and post this on your training notice board or tearoom, thank you.  
Courses can be arranged on request.*