

Elements	Performance criteria
1. Determine ionising radiation legal requirements	<p>1.1 Federal and State ionising radiation legislation is identified.</p> <p>1.1 University of Melbourne licensing requirements are discussed.</p> <p>1.3 Standards and Codes of Practice are identified.</p>
2. Determine University of Melbourne ionising radiation policies and procedures	<p>2.1 University of Melbourne ionising radiation procedures are identified.</p> <p>2.2 University of Melbourne Ionising Radiation Management Plan is identified.</p> <p>2.3 University of Melbourne Responsibilities are defined.</p> <p>2.4 The roles and functions of the Electromagnetic Radiation Safety Committee are discussed.</p> <p>2.5 Exposure limits for personnel as required by the radiation legislation and University of Melbourne policy and procedures are stated and adhered to.</p>
3. Identify and define ionising radiation	<p>3.1 Ionising radiation is defined.</p> <p>3.2 Types of ionising radiation are outlined and explained.</p> <p>3.3 Units of radiation are defined.</p> <p>3.4 Properties of radioactivity are explained including, radioactive decay, half-life and penetration properties.</p> <p>3.5 Background radiation is discussed.</p>
4. Identify the biological effects and potential exposures of ionising radiation in the workplace	<p>4.1 The biological effects of radiation are identified.</p> <p>4.2 Potential workplace exposures to ionising radiation are identified.</p>
5. Apply radiation safety principals for the effective control of ionising radiation hazards and risks	<p>5.1 Governing principals of ionising radiation safety protection are identified and adhered to.</p> <p>5.2 Appropriate ionising radiation protective measures are employed for both external and internal exposures.</p>
6. Apply ionising radiation storage and labelling requirements	<p>6.1 Identify appropriate labelling requirements for the types of isotopes used in accordance with legal and University of Melbourne requirements.</p> <p>6.2 Identify appropriate storage requirements for ionising radiation in accordance with legal and University of Melbourne requirements.</p>
7. Select and use radiation monitoring equipment	<p>7.1 Personal radiation badge requirements and usage are defined.</p> <p>7.2 Radiation meters necessary to monitor radiation are selected and used as required.</p> <p>7.3 Ongoing calibration and maintenance of monitoring equipment stated.</p> <p>7.4 Types of radiation surveys are identified and discussed.</p>
8. Respond to ionising radiation incidents and emergencies	<p>8.1 Ionising radiation incidents and emergencies are defined.</p> <p>8.2 Procedures for dealing with ionising radiation incidents and emergencies situations are stated.</p> <p>8.3 Ionising radiation incidents and emergencies are documented and reported in accordance with University of Melbourne policies and procedures.</p>
9. Apply ionising radiation waste management requirements	<p>9.1 Principles of radioactive waste management are defined.</p> <p>9.2 University of Melbourne ionising radiation waste management and disposal requirements are identified and adhered to.</p>

<p>10 Supervisory responsibilities are applied</p>	<p>10.1 University of Melbourne induction and training requirements for staff using ionising radiation are adhered to.</p> <p>10.2 University of Melbourne risk assessment process is applied activities using ionising radiation.</p> <p>10.3 University of Melbourne standard operating procedures are applied to activities using ionising radiation.</p> <p>10.4 University of Melbourne ionising radiation purchasing requirements are discussed.</p> <p>10.5 University of Melbourne ionising radiation transport requirements are discussed.</p>
<p>11 University of Melbourne Certification Requirements are applied</p>	<p>11.1 University of Melbourne laboratory certification requirements are explained.</p> <p>11.2 University of Melbourne laboratory certification requirements are applied.</p>