



**Course content and objectives for:  
Fundamentals in Ionising Radiation Protection Course (FIRP) 12h**

**Target Participants**

Persons who are working with ionizing radiation.

**Objectives:**

- ✓ Fundamentals needed to better understand the principles of radiation protection,
- ✓ Information on the Maltese legal framework
- ✓ Methods for practical implementation of radiation protection

**Duration of course**

Three morning sessions. (08:00 – 12:00)

**Method:**

- ✚ Powerpoint presentation
- ✚ Discussion/Class exercises
- ✚ Guidance notes and Handouts
- ✚ Both Maltese and English languages will be used in the delivery of this training



**Contents:**

1. Legal & regulatory basis	5. Biological effects	9. Principles of and practical radiation protection
2. Structure of matter	6. Dose limitation	10. Monitoring and personal dosimetry
3. Radiation and Radioactivity	7. Control of work	11. Transport & Emergency
4. Quantities and units	8. The duties of the RPS	12. Assessments/Exercises