

*Asia Pacific Institute
of Nuclear Science*

The Asia Pacific Institute of Nuclear Science is a nuclear science, education and training resource for business, industry and government.

APINS provides understanding and technical competence in the peaceful use of radioisotopes, radiation and other nuclear techniques.

APINS offers short intensive courses presented on a regular basis as well as courses specifically designed to meet the needs of an organisation.

APINS programs are staffed by experts from both the University of New South Wales and other organisations.

Lecturing staff are skilled educators and experts in specific scientific areas.

Internet address:

<http://www.chem.unsw.edu.au/schoolinfo/apins.html>

***Radiation Safety
for
X-ray Equipment Personnel***

2 - 3 July 2009

FEE \$880
(GST included)

VENUE
Room G05, Ground Floor
Dalton Building
University of New South Wales
Kensington, NSW 2052

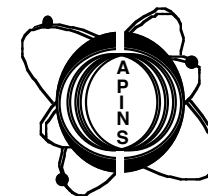
ACCOMMODATION

There are a number of moderately priced motels within walking distance of the University. Contact APINS for details or visit UNSW Housing website:
<http://www.housing.unsw.edu.au/hotels.html>

FURTHER INFORMATION

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THE UNIVERSITY OF NEW SOUTH
WALES



ASIA PACIFIC INSTITUTE OF
NUCLEAR SCIENCE

**RADIATION SAFETY
for
X-RAY EQUIPMENT
PERSONNEL**

A two day course designed for persons involved in the installation, maintenance, testing and use of x-ray equipment

2 – 3 July 2009

***Radiation Safety for X-Ray
Equipment Personnel
2 – 3 July 2009***
**REGISTRATION FORM
and TAX INVOICE**

University of NSW ABN 57 195 873 179

Surname _____

First Name _____

Employer _____

Position _____

Address for attendance information:

private () employer ()

_____ Postcode _____

Telephone: _____

Mobile: _____

Fax: _____

E-mail: _____

Course Fee: \$800, GST: \$80, **Total: \$880**

Please keep the original completed form as your TAX INVOICE.

Forward a photocopy of this form and your cheque payable to: **University of NSW** for \$880 (GST included) by **Monday 22nd June 2009** to:

Anne Jordan

APINS C/-School of Chemistry,

UNSW SYDNEY NSW 2052

TEL: 02 9385 4666 FAX: 02 9385 4690

**RADIATION SAFETY
FOR
X-RAY EQUIPMENT
PERSONNEL**

COURSE AIM

The aim of the course is to equip participants who are seeking a licence for the installation and servicing of X-ray equipment with the knowledge necessary to recognise potential hazards and to minimise exposure to external ionising radiation.

COURSE CONTENT

The course is composed of lectures and demonstrations, and includes the following aspects of radiation protection:

- * Basic principles of atomic and nuclear physics
- * Properties of ionising radiations
- * Interaction of ionising radiation with matter
- * Biological effects of ionising radiation
- * Detection and measurement of ionising radiation

- * Personal dosimetry and monitoring
- * Physics of X-ray production
- * Uses of X-ray equipment
- * Radiation protection
- * Shielding fundamentals: materials and calculations
- * Monitoring during inspection and servicing of X-ray equipment
- * Quality assurance
- * Compliance testing instrumentation
- * Australian standards for radiating apparatus
- * Radiation emergency procedures

COURSE MATERIAL

Each student will receive a comprehensive set of lecture and practical notes.

CERTIFICATION

A course certificate will be awarded to participants who satisfactorily complete the test at the end of the course.