Developments in Radiation Protection
17 – 21 September 2012
(Closing date for applications is Friday 10 August)

The course starts at 10.00 am on Monday 17 September. The fee includes attendance on all five modules, accommodation and refreshments from the start of the course through to the close after lunchtime on Friday 21 September.

For delegates who are unable to attend the course for the week, or who have a specific interest, we are able to offer single day attendance on a limited basis.

Fee per person: Five-day course @ £2200
Single day attendance @ £400 per day.

Terms & Conditions

1. Bookings will be regarded as provisional until the full fee has been paid.
2. Payment must be made in advance of the course by credit/debit card, cheque (made payable to HPA) or BACS electronic transfer. All payments must be made in pounds sterling.
3. For payment of this course our Training Centre Administration team will contact you regarding payment which can be made by either credit/debit card, cheque or BACS. They will also confirm your booking.
4. Invoices will not be issued for training course places and purchase orders are not acceptable in lieu of payment. If sent they will be added value training event for radiation protection professionals in 2012. Invoices will not be issued for training course places and purchase orders are not acceptable in lieu of payment. If sent they will be added value training event for radiation protection professionals in 2012.
5. All course fees include associated course notes and other course materials, attendance certificates, meals and accommodation unless otherwise stated.
6. Joining instructions will be sent prior to the course.
7. A cancellation charge of £100 per place will be made for cancellations of confirmed bookings, when made on or prior to the course closing date. The full fee will be due for cancellations made at any time after the course closing date. Substitutions may be made at any time but notification should be made to our Training Centre Administration team. HPA reserves the right to cancel any course due to circumstances beyond its control and the HPA liability shall be limited to the refund of fees paid.
8. The course is not to be recorded in any way without the prior knowledge of the HPA. Material supplied on the course is subject to copyright and must not be duplicated in whole or in part.

Information regarding this course, St Catherine’s College and local tourist attractions can be found by visiting our dedicated website at www.hpa-radiationservices.org.uk/rpts and following the links.
Module I - Developments in Radiation Protection: Scientific Basis

The objective in this module is to provide an opportunity to learn more about ongoing work on, and developments in, the science that underpins and influences approaches to optional radiation protection.

11.00 ICRP: Overview of Current Work Programme
   Presenter: Dr John Cooper
   Director, HPA-CRCE, IOP Main Commission

12.00 Radiation Exposures to the Lens of the Eye
   Presenter: Dr Simon Boffler
   Head, Biological Effects, HPA-CRCE

13.00 Lunch

14.00 Cardiovascular Effects
   Presenter: Dr Wei Shang
   Epidemiology Department, HPA-CRCE

15.00 Re-evaluation of Radon Exposure
   Presenter: Dr James Marsh
   Toxicology Department, HPA-CRCE

16.00 Worker Exposure Studies: The Mayak Project
   Presenter: Dr Richard Haylock
   Epidemiology Department, HPA-CRCE

17.00 Close

- WELCOME EVENING -

Module II - International Update

In this module the focus is on changes and developments in evolving international frameworks. Following the update in the morning session the workshop session in the afternoon will provide an opportunity for delegates to consider the potential impact and significance of possible legislative changes with respect to a number of topical issues.

09.15 Introduction and Overview

09.30 IAEA Basic Safety Standards
   • Overview of the Work of IAEA
   • Status, Progress and Implementation of Standards
   Presenter: Mrs Renate Czarwinski
   Bundesamt fur Strahlenschutz (Germany)

10.30 Break

10.45 EU Basic Safety Standards
   • Current Status and Progress
   • Issues from an EU Perspective
   Presenter: Speaker from the European Commission

11.45 EU Basic Safety Standards: UK Perspective
   Presenter: Speaker from the Health & Safety Executive, UK

12.30 Panel Discussion

Module III - Planned Exposures

Starting with a review of the ICRP radiation protection principles, module III focuses on recent developments and technical updates with respect to planned exposure situations. This module will be of particular interest to those actively engaged in operational radiation protection.

09.15 Introduction and Overview

09.30 Radiation Protection Principles: Review
   Presenter: Dr John Cooper
   Director, HPA-CRCE, IOP Main Commission

10.30 Break

10.45 Developments in Dosimetry
   Presenter: Dr Phil Giney
   Manager, Personal Dosimetry Service, HPA-CRCE

11.45 Doses in Computer Tomography (CT)
   Presenter: Dr Paul Shrimpton
   Medical Exposure Department, HPA-CRCE

12.45 Lunch

14.00 Workshop: Instrumentation Selection
   Presenter: Mr Duncan McClure
   Radiation Metrology, HPA-CRCE

15.15 Break

15.40 Development of New Dose Coefficients for Internal and External Exposure
   Presenter: Dr Rick Tanner
   Physical Dosimetry, HPA-CRCE

16.45 Close

- EVENING: COURSE DINNER -

Module IV - Existing Exposures

Existing exposure situations can present interesting challenges for the radiation protection professional. In this module topical issues are presented and there will be an opportunity to consider, often stringent, legislative criteria in the context of practical reality during the afternoon workshop session.

09.15 Introduction and Overview

09.30 Naturally Occurring Radioactive Material
   • Issues and Management
   • Tracking
   Presenter: Mr Peter Shaw, HPA-CRCE Leeds

10.30 Break

10.45 Radon: National Action Plans
   • Workshop Activity
   Presenter: Mr Neil McGill, Manager, Personal Dosimetry Service, HPA-CRCE

12.30 Lunch

13.30 Contaminated Sites
   • Remediation Criteria - Practicalities
   • Workshop Activity
   Presenter: Mrs Joanne Brown
   Environmental Assessments, HPA-CRCE

16.30 Close

- EVENING: COURSE DINNER -

Module V - Emergency Exposures

The closing module considers emergency exposure situation. In particular, an update is provided on relevant international and national infrastructures for emergency response – and areas where many radiation protection professionals have perhaps limited knowledge or experience.

09.15 Introduction and Overview

09.30 National and International Infrastructures
   Presenter: Dr Sarah Mason
   Department of Energy and Climate Change

10.45 Break

11.00 Fukushima: WHO and UNSCEAR Assessment
   Presenter: Mrs Jane Simmonds
   Head, Environmental Assessments, HPA-CRCE

12.00 The Role of the Radiation Protection Professional in Emergency Response
   Presenter: Mr Phil Tattersall
   Head, Operational Protection, HPA-CRCE

13.00 Close and Lunch

- EVENING: GUIDED WALKING TOUR OF OXFORD -

DAY 4 - Thursday 20 September

DAY 5 - Friday 21 September