

Self-study course radiation protection for Radiation protection officer - measurement and control applications (X-ray devices & accelerators) October / November 2023

Purpose

The objective of this course is to obtain the competencies needed to independently assess the safety situation of employee and environment when working with X-rays in a (simple) non-medical setting. In principle, this provides the competencies that the government requires of a radiation protection officer for measurement and control applications with X-ray equipment & accelerators.

Structure

The course will be delivered by the Groningen Academy for Radiation Protection (University of Groningen) from October 31 to November 14, 2023, using a course booklet. A digital version of the booklet will be made available at least one week before the start of the course. We urge you to study this course booklet prior to the course. The course consists of one lecture and one half-day practicum. Participation in the practical and this lecture on risk perception & the role of the supervisor is mandatory. You will receive a practice manual at the start of the course. You should also bring a simple calculator.

Exam

On Tuesday morning, November 14, 2023, 10:00 am, you will take the exam. You will not be permitted to consult any documentation during the exam. Partly for this reason, it is very important that you have thoroughly studied the entire course book. Portions of the book with a black line in the margin are required exam material. The exam will consist of at least 30 multiple-choice questions and two short essay questions. Use of a simple calculator is permitted during the exam. A mock exam is available.

Diploma

If you pass the exam you will receive the diploma "Radiation Protection Officer for Measurement and Control Applications with X-ray devices & Accelerators".

Registration

You can register for this course by sending an e-mail to our secretariat (amd@rug.nl). You will then receive the digital registration form. Deadline for registration is October 17, 2023.

Participants

The minimum number of participants for this course is 4. The maximum is provisionally 8. If the number of participants is less than 4, you will receive further notice.

Cost of the course

The price for the course is € 350 per participant. No VAT is due on this.

Draft program and other data

Datum	Tijd	Locatie	Onderwerp	Docent
Tue 31 Oct '23	10.30 – 12.30 AM	AMD - Atelier	Risk perception & communication Role of the radiation protection officer (English)	Bunskoeke
Tue 7 Nov '23	12.30 – 2.30 PM	Wiebenga	Practical (X-ray) (4 – 6 p) ¹	Laarakkers / Erenstein
	2.30 – 4.30 PM	Wiebenga	Practical (X-ray) (4 – 6 p)	Laarakkers / Erenstein
Wed 8 Nov '23	10.00 AM - noon	Wiebenga	Practical (X-ray) (4 – 6 p)	Laarakkers / Erenstein
Tue 14 Nov '23	10.00 – 11.30 AM	AMD	Exam	Froma / Boersma
Tue 28 Nov '23	10.00 – 11.30 AM	AMD	Re-exam	Beiboer / Pleiter

Location: Theory (not applicable for this course) – Linnaeusborg University of Groningen (Nijenborgh 7, 9747 AG Groningen)

Theory and Exam – Arbo en Milieudienst University of Groningen (Visserstraat 49, 9712 CT Groningen)

Practicals – Wiebengacomplex Hanzehogeschool (P. Driessenstraat 3, 9714 CA Groningen)

Practicals: The practicals are done in groups of four students with a possible run up to six.

Course material:

- Syllabus 'Health Physics for RPOs for measurement and control applications with X-ray devices and accelerators' door Frits Pleiter, Hielke Freerk Boersma and Age Froma, version 2022 or 2023;
- Exercise book 'Health Physics for RPOs for measurement and control applications with X-ray devices and accelerators' door Frits Pleiter;
- Practicum manual by Arjo Bunskoeke and Age Froma
- Mock exam

14 September 2023

¹ Both practicum groups can be combined into one group taking practicum from 12:30 p.m. to approximately 3:30 p.m.