

Radiation protection course for the specialist groups

S1.1, S1.2, S1.3, S2.1 and S6.1

ST730

For the acquisition of the specialist knowledge for radiation protection experts the radiation protection legislation in Germany requires the successful participation in specialist courses which are official recognized.

The course imparts the specialist knowledge for storage and intended use of devices that contain built-in and enclosed radioactive substances with activities up to 10E6 times of the exemption limits specified in the Radiation Protection Ordinance.

The following subjects are covered:

- Legal basis, recommendations and guidelines
- Tasks and duties of the radiation protection expert
- Natural scientific and radiation physics basics
- Human exposure to radiation
- Effect of radiation on people and matter
- Dose terms, dose units and risk considerations
- Radiation protection technology, radiation protection safety and Radiation protection measurement technology
- Dealing with enclosed sources, leak testing
- Storage, security and waste treatment of radioactive materials
- Practical exercises on dealing with enclosed sources.

The course ends with an exam. Successful participation is recognized from the responsible authority to acquire the specialist knowledge for the specialist groups S1.1, S1.2, S1.3, S2.1 and S6.1 with nationwide validity.

The course is addressed to responsible persons for the handling of control devices for radiation measuring devices as well as testing and calibration emitters with activities up to 10E6 times of the exemption limits specified in the Radiation Protection Ordinance. It also covers the proper use of gas chromatographs (Ni-63, H-3), the handling of ionization smoke detectors, the use of radioactive emitters for fill level and density measurements, Troxler probes and the operation of systems for generating ionizing radiation. In all cases approval is required.

Duration: 2 days

TERMINE, PREISE UND BUCHUNGSMÖGLICHKEIT

➔ [zur aktuellen Terminübersicht mit Preisangabe und Buchungsmöglichkeit](#)

Geplante Termine:

09.09.–10.09.2024

Kurspreis⁽¹⁾: 840 EUR

(1) Änderungen vorbehalten

KONTAKT UND BERATUNG

Administration/Beratung: **Angela Sasso**, ➔ [Kontakt](#)

Fachliche Fragen: **Dr. Thomas Rabung**, ➔ [Kontakt](#)

INFORMATIONEN

➔ strahlenschutz@ftu.kit.edu

➔ [Übersicht Themenbereich](#)