



Nuclear Research Reactor Safety

Session: Consult on-line training schedule

Registration deadline: 3 months prior to course

Duration: 5 days
Certificate of attendance will be issued to participants who attend the full course.

Price: €2,500 per participant

Code: CO1005

[REGISTER NOW](#)

Contact

Frédérique Boulesteix
+33 (0)1 58 35 93 51
+33 (0)7 78 18 83 75
[mailto : frederique.boulesteix@enstti.eu](mailto:frederique.boulesteix@enstti.eu)

Online catalogue

www.enstti.eu/training-catalogue

Examination:

Knowledge testing (multiple choice exam) will be performed on the full course content and successful candidates will be issued with a Knowledge Certificate.

Teaching methods:

Lectures, discussions and practical sessions are included.
Working group exercises and technical visits are supervised by experienced TSO experts.

A USB stick containing the course material will be provided.

OBJECTIVES

To provide instruction on nuclear safety and regulatory control related to nuclear research reactors, covering safety requirements, safety analysis methodology, the defense-in-depth concept, and application of a graded approach, including hands-on training at a research reactor.

TARGET AUDIENCE

This training is intended for:

- Engineers
- Researchers
- Other professionals from nuclear regulatory authorities and technical support organizations.

PREREQUISITES

Participants are expected to have basic knowledge in the areas of nuclear and radiation science and technologies.

PROGRAM

The training course covers the following topics:

- Basics of reactor physics and visits to research reactor with demonstration of neutron and gamma detection.
- Nuclear safety and implementation on research reactor safety systems and reactor safety during experiments.
- Operational safety of research reactor.
- Regulatory inspection.
- Safety of experiments.
- Periodic safety review (PSR).
- Safety assessment.

At the end of the module, a roundtable discussion session addresses issues identified by participants. It is followed by an evaluation during which participants give their impressions of the module, with a review of the degree to which the needs expressed on the first day of training were met.