

International course NUCLEAR FUEL CYCLE

September 24th – October 5th, 2018



instn

Course overview

The industrial processes are described, from the extraction of the uranium ore to the reprocessing of spent fuel, as well as the management of waste produced during the different stages of the fuel cycle. Technical visits represent 50% of the course.

Who is the course for?

Technicians, researchers and engineers working in nuclear sciences and industry and wishing to get advanced knowledge in the field of nuclear fuel cycle.

Entry requirements

General scientific education in the nuclear field.

Competences covered

Following the training, participants will be able to:

- Explain the different steps of the nuclear fuel cycle
- Describe the processes used
- Restitute comprehensive information on the industrial operations related to the nuclear fuel cycle in France

Duration 66 hours (10 days+ 1weekend off)
Location Saclay + visit of French nuclear plants
Dates September 24th – October 5th, 2018
Programme Manager: Elisabeth.stibbe@cea.fr
Course Organizer: Nadia.nowacki@cea.fr
Registration fees: With or without the accomodation in Paris
Full rate: €6700 to €8050
Student: €4690 to €6040
ENEN Member:€5360 to €6710
Deadline for registration: July 20th, 2018



Enhanced separation tests are conducted in the Atalante complex at Marcoule
@ S.Le Couster/CEA

Course content

- Geology of uranium
- Concentration, conversion and uranium enrichment
- Design and production of fuel assembly
- Reprocessing
- Waste management
- Technical visits of industrial plants



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NUCLÉAIRES



EXPOSÉS
ET DÉBATS



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Why take this course?

The INSTN has assembled knowledge and expertise from CEA engineer-researchers and technicians, industry and safety authority researchers and experts. As such, courses incorporating the latest scientific and technical developments are offered, associated with technical visits of industrial nuclear plants (Orano).