

PHYS-490

Elective project nuclear engineering

Profs divers *

| Cursus | Sem. | Type |
|---------------------|---------------|------|
| Nuclear engineering | MA1, MA2, MA3 | Opt. |

| | |
|----------------------------|---------------------|
| Language of teaching | English |
| Credits | 8 |
| Session | Winter, Summer |
| Semester | Fall |
| Exam | During the semester |
| Workload | 240h |
| Weeks | 14 |
| Hours | 8 weekly |
| Project | 8 weekly |
| Number of positions | |

Summary

The elective project is designed to train the students in the solution of specific engineering problems related to nuclear technology. This makes use of the technical and social skills acquired during the master's program.

Content

The elective project has the purpose to train the students in the solution of specific engineering problems related to nuclear technology. This makes use of the technical and social skills acquired during the master's program. Tutors propose the subject of the project, elaborate the project plan, and define the roadmap together with their students, as well as monitor the overall execution.

It can be done during the first 3 semesters at EPFL, ETHZ or PSI.

Learning Outcomes

By the end of the course, the student must be able to:

- Analyze a technical problem

Transversal skills

- Write a scientific or technical report.

Assessment methods

Written project report and oral presentation