

MICRO-486

Project in neuroprosthetics

Profs divers *

Cursus	Sem.	Type
Neuroprosthetics minor	E, H	Opt.

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

Number of positions

Il n'est pas autorisé de se retirer de cette matière après le délai d'inscription.

Remark

The Project in Neuroprosthetics cannot be started before the students have acquired at least 15 credits of the highly recommended courses

Summary

The student applies knowledge and know-how previously acquired in the classroom in the context of a research project that is consistent with his/her orientation ("Track") choice.

Content**Learning Outcomes**

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

- Assess / Evaluate experimental data
- Interpret experimental data
- Develop expertise in a specific area of research
- Manage an individual research project
- Optimize experimental protocols and data presentation
- Plan further experiments to test hypotheses based on previous results
- Conduct experiments appropriate for the specific problem being studied
- Implement appropriate technologies to address the scientific or engineering problem being studied

Transversal skills

- Assess progress against the plan, and adapt the plan as appropriate.
- Plan and carry out activities in a way which makes optimal use of available time and other resources.
- Use a work methodology appropriate to the task.
- Keep appropriate documentation for group meetings.
- Continue to work through difficulties or initial failure to find optimal solutions.
- Demonstrate a capacity for creativity.

- Demonstrate the capacity for critical thinking
- Write a scientific or technical report.

Assessment methods

Written report and oral presentation during the semester.