MICRO-486 **Project in neuroprosthetics**

Profs divers *

Cursus	Sem.	Type
Neuroprosthetics minor	E, H	Opt.

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

It is not allowed to withdraw from this subject after the registration deadline.

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.