Project in neuroprosthetics

Cursus | Sem. | Type
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Language: English  
Credits: 8  
Withdrawal: Unauthorized  
Session: Winter, Summer  
Semester: Fall  
Exam: During the semester  
Workload: 240h  
Weeks: 14  
Hours: 8 weekly  
Project:  
Number of positions: 8 weekly

Remarque
- 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.