MICRO-486  Project in neuroprosthetics  Profs divers *

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<th>Cursus</th>
<th>Sem.</th>
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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**: 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.