MICRO-581 **Robotics project II**

Profs divers *

Cursus	Sem.	Type
Robotics	MA1, MA2, MA3, MA4	Obl.

Language of teaching	English
Credits	10
Withdrawal	Unauthorized
Session	Winter, Summer
Semester	Fall
Exam	During the semester
Workload	300h
Weeks	14
Hours	**10 weekly**
Project	10 weekly
Number of positions	

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

Summary

The student applies the acquired skills in an engineering or a research project.

Content

Students are asked to run an engineering or a research project integrating several robotics aspects. This project allows them to practice and improve their skills on concrete problems related to robotics, and experience a project environment in a laboratory, making the connection to research or industry.

Learning Outcomes

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

- Develop an individual research or industrial project
- Apply skills to a specific subject
- Manage the project
- Assess / Evaluate the results
- Compose a written scientific report of a project
- Present a project orally for a scientific audience
- Develop expertise in a specific research area
- Represent data in a consistent and effective manner

Transversal skills

- Set objectives and design an action plan to reach those objectives.
- Assess progress against the plan, and adapt the plan as appropriate.
- Give feedback (critique) in an appropriate fashion.
- Access and evaluate appropriate sources of information.
- Write a scientific or technical report.
- Write a literature review which assesses the state of the art.
- Use a work methodology appropriate to the task.
- Communicate effectively, being understood, including across different languages and cultures.

Assessment methods

Written report and oral presentation

Resources

Websites

- https://sti.epfl.ch/research/institutes/iem/semester-project-guidelines/