EPFL

MICRO-502   **Aerial robotics**

Floreano Dario

Cursus	Sem.	Type
Microtechnics	MA2, MA4	Opt.
Robotics, Control and Intelligent Systems		Opt.
Robotics	MA2, MA4	Opt.

Language of teaching	English
Credits	4
Session	Summer
Semester	Spring
Exam	Written
Workload	120h
Weeks	14
Hours	**4 weekly**
Courses	2 weekly
Exercises	2 weekly
Number of positions	

Summary

The course provides an introduction to the design, control, and applications of aerial robots. Students will be able to translate theoretical concepts into practice by means of hands-on exercises with simulated drones.

Teaching methods

Lectures, software exercises, exercises and project with real drones

Expected student activities

Attending classes and asking critical questions; performing exercises and answering possible quizzes within a week; form groups to assemble, program, and characterize mini-drone; write and present drone project report.

Assessment methods

Project assessment and written exam

Supervision

Office hours	No
Assistants	Yes
Forum	Yes