

# Large Scale Drone Perception

## Preliminary semester plan

Here is the preliminary semester plan for the *LSDP Large Scale Drone Perception* course. The course is divided into two mini-projects, each consisting of about 6 modules or lectures. In each of the mini-projects you will first get introduced to the theoretical background which is

needed to complete the mini-project and then there is set time aside to work on the mini-project.

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2026-02-02 14:30

Week	Date	Topic
6	2026-02-06	Python and 2D image processing – Elzbieta Pastucha
7	2026-02-13	Camera in space – Elzbieta Pastucha
8	2026-02-20	Optimization
9	2026-02-27	Fiducial markers
10	2026-03-06	Camera calibration miniproject
11	2026-03-13	Feature detectors
12	2026-03-20	Motion detection mini project
13	2026-03-27	Orthomosaics – Elzbieta Pastucha
15	2026-04-10	Pumpkin counting mini project – Elzbieta Pastucha
16	2026-04-17	Visual odometry
17	2026-04-24	Visual odometry miniproject
19	2026-05-08	Bag of visual words / AI overview