

Course notes, week 48

Outdoor flight tests

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1 Agenda

This week, we will make sure to get all of your drones completely ready and calibrated. You will get to perform outdoor flight tests, making sure that everything works and is ready for the final module, in which you will get to test your path planning software.

If you haven't filled out your personal information for the guest cards (which is required to have before being able to enter the test field at HCAA), please do that [here](#).

(8:15) Departure from TEK to SDU UAS Test center.

8:45 Pick up guest cards at HCAA's main entrance in the reception.

- **Remember** an ID card with a picture.

9:00 Preparation of drones, including indoor final drone setup, calibration and tuning (if necessary).

9:45 Walk to the Test Field and perform outdoor testing of your drones.

- Fly the drone manually in Position mode.
- Record a track log via telemetry during flight.
- Store the track log, so that you can verify route planning software when you get back from the Test Field

11:30 Pack up and walk back to the Hangar.

We'll drive back to TEK when we are back and people are ready to leave.

2 Exercises

The exercises for this module are simple as all you have to do is make sure that your drone works. You need to make sure that:

- Your drone is calibrated.
- Your drone is tuned.
- Your drone receives a GPS-fix.
- Your drone can log flights.
- Your logs can be turned into path plans.
- Your batteries are fully charged.