Like this course? Become an expert by joining the Robotics Specialization.

Upgrade

Congratulations!

You have successfully completed **Robotics: Estimation and Learning**, 1 of 6 courses in **Robotics** from **University of Pennsylvania**.

Final Grade 100.0 %

Unlock a certificate to share your achievement with the world!

Daniel Lee

Help Center

Keep Learning

Course 1 of 6

Robotics: Aerial Robotics

How can we create agile micro aerial vehicles that are able to operate autonomously in cluttered indoor and outdoor environments? You will gain an introduction to the mechanics of flight and the design of quadrotor flying robots and will be able to develop dynamic models, derive controllers, and synthesize planners for operating in three dimensional environments. You will be exposed to the challenges of... using noisy sensors for localization and maneuvering in complex, three-dimensional environments. Finally, you will gain insights through seeing real world examples of the possible applications and challenges for the rapidly-growing drone industry.

View Course

Starts June 6

Course

WEEK 1

Gaussian Model Learning

WEEK 2

Bayesian Estimation - Target Tracking

WEEK 3

Mapping

WEEK 4

Bayesian Estimation - Localization

Continue

Course Settings

Verification Settings

Verification Settings