

MECH 531. UNMANNED AERIAL VEHICLES.

Credits: 3

Offered by: Mechanical Engineering (Faculty of Engineering)

This course is not offered this catalogue year.

Description

Kinematics and dynamics of a UAV. Aerodynamic forces and moments on a fixed-wing UAV. Application of linear systems analysis for fixed-wing UAVs. Flight control and autopilots for UAVs. Navigation sensors and state estimation based on Kalman filtering. Guidance strategies and the basics of path planning.

- Prerequisite (Graduate): MECH 533
- 3-0-6
- Prerequisite: MECH 412 or MECH 419 or Permission of the Instructor

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

[Launch Visual Schedule Builder](#)