

UAS 141 - REMOTE PILOT FLIGHT

Course Description

Students will be introduced to the world of Unmanned Aerial Systems. This course takes a look at everything from current Unmanned Aircraft Systems to future civilian applications. In addition to learning about this new industry, students will be introduced to flying remotely piloted aircraft and operating entry level Unmanned Aerial Vehicles. Group 2 course.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

Course Learning Outcomes

Knowledge:

- Identify components of common multimotor UAS.
- Define standard UAS operating principles.
- Recognize characteristics of current UAS and the UAS industry.

Application:

- Demonstrate remote pilot competencies during ground and flight exercises.
- Operate entry level UAS in a controlled environment.

Integration:

- Apply risk mitigation strategies to UAS operation.
- Connect personal minimums and safe UAS operating requirements.

Human Dimension:

- Be aware of their personal fitness to fly in accordance with ACS requirements.
- Acquire sound decision making and judgment during flight operations.

Caring - Civic Learning:

- Demonstrate how decision making and personal actions impact aircraft, sensors and people on the ground.
- Recognize the future civilian applications of the UAS industry.

Learning How to Learn:

- Transfer prior knowledge and experiences to flight scenarios.
- Self-assess positive study habits for recurrent training requirements of the FAA.