AV 272 : UNMANNED AERIAL SYSTEMS (UAS) OPERATIONS

Transcript title
Unmanned Aerial Sys Ops

Credits
5

Grade mode
Standard letter grades

Contact hours total
100

Other hours
100

Recommended preparation
AV 271.

Description
Surveys current UAS platforms, sensors, and terminology. Explores integration and application of UAS resources in United States Airspace. Focuses on building and executing simulated operations in a noncombative environment.

Learning outcomes
1. Demonstrate knowledge of multiple UAS platforms, sensors and terminology.
2. Demonstrate knowledge of Federal Aviation Administration (FAA) rules regulating UAS in United States Airspace.
3. Demonstrate basic proficiency in planning executing UAS commercial operations.

Content outline
ITAR
ICOMC2 SIM
UAS Operations Communications, Checklist Paperwork, Flight Safety,
Privacy, Data Security
Interface Operations Documentation
Logbook Entry
Flight Logs
Mission and Flight Planning
Pre-flight Operations
Launch Procedures
Flight
Flight Recovery
Accident Investigation
Integrator Overview and Limitations
Complier Training
Photography and Videography
Post Processing

Required materials
No required materials.

Grading methods
This course is assessed through homework, project presentation, exams, and a final flight simulation.