UAS LAW ENFORCEMENT TRAINING

Course Schedule - time reflects 2 on 1 instruction

Day 1

Learning Objectives:
Students will become familiar with their UAS platform while developing basic UAS controllability skills by performing basic, intermediate and advanced flight maneuvers using both right and left sticks.

9:00 AM	Ground- (PowerPoint) Part 107 highlights Aircraft/personal documents Aircraft safety Aircraft systems UAS system app overview
11:00 AM	Lunch provided
12:00 PM	Travel to location/ Set up
1:00 PM	EP 1 (2 batteries per student)- Basic/intermediate/advanced maneuvers over cones
3:00 PM	EP 2 (1 battery per student)- Basic/intermediate/advanced maneuvers over cones
4:00 PM	EP 3 Solo (1 battery per student)
5:00 PM	Pack, Travel to H600, Adjourn

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Day 2

Learning Objectives:

Students will continue to develop their basic, intermediate and advanced flight maneuvers learned from the previous day's lessons. Students will be introduced to crew/ single pilot resource management. Students will operate as a team and as a single pilot using the appropriate resource management techniques to successfully complete the objectives outlined by the instructor. Students will become familiar with night flight physiology and overcoming visual illusions during night operations.

Start/End Times Determined by Sunset Time

1:30 PM	Travel to Location / Setup
2:00 PM	EP 5 KSU Buckets
	Single Pilot - Wood Stands (battery 1)
	Crew Resource Management - Bucket Trees (battery 2)
4:00 PM	EP 6 (2 batteries)
	Manual search for targets
6:00 PM	Ground/Dinner (provided)
	SAR Discussion - Autonomous, tactical search walkthroughs
	Part 107 vs Public Operations, SGI process
	Thermal overview
8:30 PM	Night EP
9:30 PM	SAR Night
10:30 PM	Pack, Travel to H600, Adjourn

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Day 3

Learning Objectives:

Students will be introduced to techniques in photogrammetry using a UAS for accident scene reconstruction. Students will become familiar with various software apps to assist in the reconstruction process while continuing to develop single/crew resource management and good aeronautical decision-making skills. Students will round out their SAR exercises with daylight operations, becoming familiar with search patterns and sensor manipulation to identify their targets. The knowledge obtained over the previous lessons will culminate in the final scenario/event.

9:00 AM	Ground
	Photogrammetry tools for accident scene operations
	Mission planning overview
10:00 AM	Travel to Location / Setup
10:30 AM	Accident Scene Reconstruction Flights
	Accident scene photogrammetry
	Station rotation - 3D Orbit, 2D grid, 2D double grid
11:30 AM	EP 7 Solo
	Lunch provided during solo
12:30 PM	SAR Flights
	Two batteries per student
1:30 PM	Culminating Event
	Instructor provided scenario; one battery per student
2:30 PM	Pack, Travel to H600, Adjourn