



MOBILE TEAM TRAINING UNIT IV



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A Statewide System of Inservice Training Program
Illinois Law Enforcement Training and Standards Board

PRESENTS

sUAS Crash Investigation Remote Pilot

Mobile Team Training Unit IV is offering this first in a series of three classes designed for first responders planning to fly a sUAS on behalf of their department for all mission types. In addition to this course, the three-course series includes sUAS FAA Knowledge Test Preparation and Crash Investigation and Reconstruction Aerial Photogrammetrist. Students may choose to attend any combination of classes that meet their needs. Classes will be provided by Northwestern University Center for Public Safety.

PREREQUISITES: sUAS FAA Knowledge Test Preparation or equivalent; OR, a current 14 CFR Part 107 Certification

Public safety professionals and civilians who are new to flying sUAS crafts learn to reliably capture the photographic and video evidence at a crash scene for subsequent photogrammetric evaluation. This course includes extensive hands on experience.

Course Content

- UAS setup and configuration
- Camera configuration and settings
- Camera controls
- Pre-flight checks
- Flight planning and patterns
- Flight skills including emergency procedures
- Image capture for day and night scenes
- Terrestrial photography techniques for photogrammetry
- Field measurements
- UAS maintenance
- Real world issues: Trees, powerlines, low light, wind, snow, etc.
- Obstacle navigation techniques
- Overview of 3D model construction and expected results from mock scene.
- Demonstration of common capture errors.

Weather appropriate outdoor clothing; Sunglasses; Hat.

All students need to bring a laptop computer (or other device) with a USB port(s) and Adobe Reader installed. Student reference materials will be distributed on USB flash drives (files will accept electronic comments and highlighting and can be saved).

DATE: Tuesday, October 8, 2024 8:00 am to 5:00 pm **Registration ends on September 30, 2024**

LOCATION: MTTU IV, 1033 7th Street, Suite 102, East Moline, IL

MTTU IV member agencies have priority registration.

Maximum enrollment is 16

Cost: MTTU IV MEMBERS: \$ 0.00 - Non-members: \$375