UNMANNED AERIAL VEHICLES [DRONES] FOR EMERGENCY RESPONDERS

One-Week Residency: May 1-5, 2017

UC Aerospace Flight Lab: 20 FST 3055

Course Description: Students in this course will learn about unmanned aerial systems and how they can benefit emergency services. This course will focus on operating drones in a safe, reliable and accountable manner. Students will learn the laws, policies and privacy concerns regarding the use of this technology by emergency management agencies, including how emergency management personnel can seek FAA authorization to fly these drones in emergency situations.

May 1: INCIDENT COMMAND / HAZMAT – COMMAND 400

AM: Tom Lakamp: Assistant Fire Chief, Cincinnati Fire Department; tlakamp@fuse.net; Cell 513-266-3267; Adjunct Prof, UC Fire Science;

BJ Jetter: Greater Cincinnati HAZMAT Unit; Fire Chief, Monroe Township FD, OH; jitterbj@cinci.rr.com; Cell 513-615-3768 Adjunct Prof, UC Fire Science
May 2: **HIGH TECHNOLOGY**


Reza Karamooz: UAS Safety & Operations Training; Drone Deployment Services - 3D Surveying & Mapping; Traffic Accident Reconstruction; Las Vegas, NV; Cell 702-879-8796; [www.GRADD.co](http://www.GRADD.co)


PM: Manish Kumar: Lecture: Associate Professor – Mechanical Engineering & Materials Engineering; kumarmu@ucmail.uc.edu; Cell 513-706-3357

Flight training / Prep. for Part 107 certification

May 3: **LAW ENFORCEMENT**

AM: James “Doug” Daniels: Senior Law Enforcement Training Officer – Ohio Peace Officer Training Academy; James.Daniels@OhioAttorneyGeneral.gov; Work: 740-845-6304

Commander Gregory J. Bodker / Sgt. Duane Mabry: Columbus Police Division: Bodker, Gregory GBodker@columbuspolice.org; Cell 614-774-7826


PM: Flight Training / Prep. for Part 107 certification

May 4: **TRANSPORTATIONEmergencies / Air Care**
AM: Jim Lawson:  Ohio Department of Transportation - Director, Operations, Ohio/Indiana UAS Center; James.lawson@dot.ohio.gov; Work: 937-497-6739; Cell 614-701-8396

Dudley Smith:  Commission on Accreditation of Medical Transport Systems,  dudley.smith@camts.org; Cell 513-260-4141

PM: Flight Training / Prep. for Part 107 certification

May 5:  **FAA CERTIFICATIONS / LEGAL ISSUES**

AM: Jeff Childers:  Lieutenant, Miami Township Fire Department, OH;  Jeff.Childers@miamitwpoh.gov; Cell 513-767-8050

Larry Bennett, Esq. Program Chair, UC Fire Science & Emergency Management;  Lawrence.bennett@uc.edu;  Cell 513-470-2744

PM: Flight Training / Prep. for Part 107 certification

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**Meet Some Of Our Profs:**

![Prof. Kelly Cohen, PhD](image)

As co-Director of the UAV MASTER Lab and Prof., Col. of Engineering and Applied Science (CEAS), Univ. of Cincinnati (UC), Dr. Cohen teaches and conducts research in the following areas: intelligent systems, unmanned aerial vehicles (UAVs), Fuzzy Logic control, cooperative multi-agent decision making, genetic fuzzy large-scale optimization, feedback flow control and system identification. In this UAV class he will cover aspects concerning the utilization of UAV for disaster management including predictive modeling for enhanced incident commander decision making and resource allocation.
Fire Chief BJ Jetter, PhD

William A. Jetter, Ph.D., is a 36 year veteran of the fire service and is currently serving as the EMS & Fire Director/Fire Chief of Monroe Township, Deputy Commissioner, Hamilton County Urban Search & Rescue, Vice President, Board Member of the Greater Cincinnati Hazardous Materials Unit (duty officer) and Task Force Member of the Weapons of Mass Destruction Team in Hamilton County. Jetter also served 18 years as the EMS and Fire Director of Sycamore Township retiring in December of 2012. Dr. Jetter also serves as the Assistant Fire Chief with the Village of Glendale, Ohio.

Prof. Tom Black, UC Aerospace & Commercial Pilot

August 10, 2016 seminar – we had 165 RSVPs (from Honolulu to Coral Gables, FL):

See videotaped presentations, PowerPoints: [http://ceas.uc.edu/aerospace/FireScience/continuing_education.html](http://ceas.uc.edu/aerospace/FireScience/continuing_education.html)
See UC Magazine article: [http://magazine.uc.edu/editors_picks/recent_features/rescuedrones.html](http://magazine.uc.edu/editors_picks/recent_features/rescuedrones.html)

Course Registration: Complete Basic Data Form for non-matriculating students (not seeking degree):

[https://admissions.uc.edu/transfer/transfer_non-matric.html](https://admissions.uc.edu/transfer/transfer_non-matric.html)

Register for course on UC One Stop: [http://admissions.uc.edu/content/dam/uc/registrar/docs/basic_data_form.pdf](http://admissions.uc.edu/content/dam/uc/registrar/docs/basic_data_form.pdf)

Tuition: $459 per credit hour / 3 credits: [http://admissions.uc.edu/costs.html](http://admissions.uc.edu/costs.html)
QUESTIONS?

Contact Larry Bennett, Esq., Program Chair, Fire Science & Emergency Management, Cell 513-470-2744, Lawrence.bennett@uc.edu