Elevate your career learning from one of the nation’s most experienced UAS teams. In 2022, the University of Vermont’s popular UAS workshop is back and going virtual. Over the course of three weeks, you will learn everything you need to implement drone technology in your organization and carry out advanced data processing and analytics.

**DATES**
February 7 - 25, 2022

**TECHNOLOGY**
You will be provided with a virtual Windows desktop containing installations of the software you will use in the course. To connect, you’ll need a computer and broadband internet connection. An active Pix4Dmapper license is also required for the course modules - the instructors will provide information on how to purchase a $99 4-month student license of the software.

**FORMAT**
1-hour daily virtual meetings
Self-paced exercises (1-2 hours/day)

**TOPICS & TECHNIQUES**
- Organizational considerations for UAS
- Regulations
- Safety procedures
- Implement flight checklists
- Risk management & mitigation
- Platform & sensor selection
- Flight planning
- Quadcopter flight operations
- Fixed-wind flight operations
- Infrastructure inspection
- Wide-area mapping
- Photogrammetric processing of drone data using Pix4D
- 3D modeling
- UAS data analysis using ArcGIS
- Integrating drone data into web apps using ArcGIS Online
- Multispectral image analysis
- Thermal image analysis

**INSTRUCTOR**
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Watch the overview video
https://youtu.be/XSPpYHtVeJ4