

Permit 2017-001

Name:

Gary Schuller

Department or Organization:

Eng. & Science Technology

Email Address:

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Are you requesting renewal of a previously approved permit applicaton?

No

Type of activities at The University of Akron Field Station and Bath Nature Preserve
Education

Title of project or class name and course number:

UAS Surveying 2980:489

Date/Dates requested:

12-5 pm, Tu & S, March 24-April 29 (periodic & weather permitting)

Number of people in group:

18

I am requesting permission to use a Research Area.

Yes

I am requesting permission to use a Sensitive Area.

No

I am requesting permission to use areas outside of the designated Research or Sensitive Areas.

No

I would like to use the Martin Center for Field Studies and Environmental Education for this prop...

Yes

Will the activity involve destructive sampling/collecting?

No

Which Research Areas?

18 Acres

Grandview Alley

Round Top

Please indicate any preparation or set-up you will need in the Martin Center for Field Studies an...

May need to set up laptop computer to review flight plan or results. Would only need on a few occasions.

Provide a brief description of (1) your proposed activities, (2) goals, and (3) impacts of your u...

The purpose of the UAS Surveying class is to study the use of a small unmanned aerial system (drone) for accurately mapping ground features and topography. Dozens of overlapping aerial images captured by digital camera are linked to the ground by using a handful of small targets with positions established by GPS satellite receivers. The aircraft takes off and lands vertically. It flies in a pre-programmed linear/rectangular pattern in order to capture aerial photos covering the study area in less than 15 minutes. Back in the computer lab, the images are processed and stitched together into a mosaic that serves as an accurate map, and the data is used to build a 3D model of part of the earth that can be used for further study and planning purposes.

By checking this box, I agree to the above terms and state that all of the above information is c...

I agree