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**Environment, Health, & Safety  
Training Program**

**EHS 0502 ~ LBNL UAS Pilot & Observer**

**Course Syllabus**

<b>Subject Category:</b>	Safety	<b>Course Prerequisite:</b>	No
<b>Course Length:</b>	16 hour (3 day)	<b>Medical Approval:</b>	No
<b>Delivery Mode:</b>	Classroom & Field exercises		
<b>Location/Time:</b>	Provided at INL (Contact EHS Training x 2228)		

**Course Purpose:** This course trains the student in the technical knowledge and practical skills required to act as a UAS (drone) Remote Pilot In Command and or Observer for missions conducted by LBNL.

**Pilot** training consists of a minimum of 3 days (16 hours) with hand-on training on progressively more complex rotary aircraft with at least 2.5 hours of hands on UAS operation. Pilot trainees must also demonstrate a minimal level of proficiency in UAS operation, typically flying two successive figure 8's (~50 m in length) with heading control within 2 minutes.

**Observer** qualifications require only pilot/observer training noted above except that hand-on proficiency with UAS flight is not required. Typically observers can "audit" the training without reducing hands-on flight time of pilot trainees.

**Course Instructional Materials:**

- Classroom
- Field activities and practice

**Training Compliance Requirements:** FAA requirement, that is reflected in the Lab's Aviation policy.

**Written Exam:** Yes

**Practical Exam:** Yes

**Trainer:** Idaho National Laboratory (Matt Balderree, Instructor).

**How to schedule:** Contact EHS Training xt 2228 or training@lbl.gov