APT A151: UNMANNED AIRCRAFT SYSTEMS LAB

Item	Value
Top Code	302020 - Piloting
Units	1 Total Units
Hours	54 Total Hours (Lab Hours 54)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

Course Description

Commercial UAS operators are becoming a new occupation within the aviation industry. The purpose of UAS is widespread and may decrease unnecessary risks to pilots in certain environments. The Unmanned Aircraft Systems industry is expected to generate an estimated 100,000 jobs and $82.1 billion in economic impact in the next decade according to the Association for Unmanned Vehicle Systems International (AUVSI). Additionally, the Federal Aviation Administration (FAA) predicts 10,000 unmanned aircraft systems could be airborne in the U.S. skies by 2020. PREREQUISITE: APT A131 or concurrent enrollment. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Performs within the tolerances for each flight maneuver required by in the Federal Aviation Administration (FAA) Practical Test Standards for Unmanned Aircraft Systems.

Course Objectives

- 1. Demonstrate mastery of pre-flight safety procedures for UAS operations.
- 2. Demonstrate mastery of controller calibration techniques and processes.
- 3. Demonstrate mastery of approach, landing, and shut-down operations and procedures.

Method(s) of Instruction

- Lab (04)