APT A130: PRIVATE PILOT AVIATION GROUND SCHOOL

Item	Value
Top Code	302000 - Aviation and Airport Management and Services
Units	5 Total Units
Hours	90 Total Hours (Lecture Hours 90)
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

Entry level course for commercial pilot training program. Covers basic aerodynamics, aircraft performance, Federal Aviation Regulations, aviation weather factors and cross country navigation procedures. Provide introductory material on radio navigation, radio communications procedures, human factors and aviation safety. Meets the preparation requirements for the FAA Private Pilot computerized knowledge examination. All training is conducted in accordance with Federal Aviation Regulation (FAR) Part 61. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Prepare to take the Federal Aviation Administration (FAA) Knowledge Test for Private Pilot.
2. Complete tasks and oral evaluations necessary for the Practical Test for Private Pilot in an applied setting given in-flight instruction from a Certificated Flight Instructor.

Course Objectives

- 1. Demonstrate basic aeronautical knowledge a. Identify the components of an aircraft. b. Define the characteristics of flight. c. Define flight controls and engine components.
- 2. Name and identify aerodynamic principles.
- 3. Distinguish and differentiate between parts of the national airspace structure.
- 4. Describe air traffic control procedures applicable to pilots.
- 5. Define Federal Air Regulations applicable to Private Pilots.
- 6. Demonstrate basic knowledge and concepts needed for the FAA Private Pilot written exam.
- 7. Define the safety concerns of operating an aircraft.
- 8. Demonstrate knowledge of radio communication and flight information.
- 9. Analyze and interpret weather and meteorology symbols.
- 10. Prepare, analyze and solve weight and balance problems for aircraft.
- 11. Review and analyze aircraft performance charts.
- 12. Apply entry-level skills in navigation and chart reading.
- 13. Describe and explain navigation systems.
- 14. Evaluate decision-making processes.
- 15. Recognize emergency procedures.
- 16. Apply flight-planning procedures.

Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)
- DE Online Lecture (02X)