

Course Code: ALV 121

Course Title: Private Pilot II Ground Supplemental

Department: Aviation

Effective Date: Summer 2026

PCS Code: 1.6 - Vocational Skills

CIP Code: 49.0102

Repeatability: 0

Credit Hours

Catalog Notation: 2-0-2

Credit Hour Distribution:

Lecture: 2

Lab: 0

Clinical: 0

Total: 2

General Course Information

Catalog Description

Remedial instruction for the classroom portion of AVI 120 or the classroom portion of the transition course (required before enrolling in AVI 129 for students who earned a private pilot certificate outside the Institute of Aviation).

General Course Objectives

Build knowledge to the level required to pass the private pilot knowledge test and AVI 120 end-of-course test.

Minimum Placement Levels

English

None

Reading

None

Math

None

Prerequisites

None

Recommended before enrolling (not required):

Credit or concurrent enrollment in FYE 101

Methods of Evaluation

Written assignments, quizzes, and exams.

Instructional Materials and Additional Supplies

Airplane Flying Handbook, FAA. Current edition.

Pilot's Handbook of Aeronautical Knowledge, FAA. Current edition.

Federal Aviation Regulations and Aeronautical Information Manual (FAR/AIM), FAA. Current edition.

Private Pilot FAA Knowledge Test Prep, Current edition.

E-6B Flight Computer, Manual type, not electronic.

Course Content

General Learning Outcomes (GLOs)

- Communication: Students will demonstrate the ability to read, write, listen, and speak effectively.
- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Ground Lesson 16: Aeronautical Charts	1. Understand how to use aeronautical charts and other references for flight planning.	2	0	0
Ground Lesson 17: Airspace	1. Understand restrictions associated with classes of airspace and other types of airspace.	2	0	0
Ground Lesson 18: Pilotage, Dead Reckoning	1. Understand how to plan a flight for which pilotage and dead reckoning navigation will be used.	2	0	0
Ground Lesson 19: Aircraft Performance	1. Understand how to use aircraft performance charts. 2. Understand principles and techniques for short- and soft-field operations and S-turns across a road.	2	0	0
Ground Lesson 20: Radio Navigation	1. Understand principles of VOR navigation.	2	0	0
Ground Lesson 21: Publications and Emergencies	1. Understand how to receive radar service and Flight Service Station services.	2	0	0
Ground Lesson 22: Weather Theory	1. Understand elements of basic weather theory.	2	0	0
Ground Lesson 23: Weather Theory - Adverse Weather	1. Understand elements of basic weather theory related to adverse weather.	2	0	0
Ground Lesson 24: Weather Reports and Weather Charts	1. Understand weather observations and forecasts.	2	0	0
Ground Lesson 25: Weather Briefings	1. Understand how to obtain a complete weather briefing, both online and by telephone.	2	0	0
Ground Lesson 26: Aeromedical Factors	1. Understand aeromedical factors.	2	0	0
Ground Lesson 27: Aircraft Systems	1. Understand basic function of selected aircraft systems.	2	0	0
Ground Lesson 28: Aerodynamics	1. Understand selected aerodynamics topics.	2	0	0

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Ground Lesson 29: Aviation Regulations	1. Understand regulations pertaining to general aviation.	2	0	0
Review and Final Exam	1. Demonstrate achievement of objectives for ground lessons 16 through 29 lesson outcomes through testing.	2	0	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	0	0