# Course Information Form (CIF)

**Course Code:** ALV 201

**Course Title:** Commercial Pilot I Ground Supplemental

**Department:** Aviation
**PCS Code:** 1.6 - Vocational Skills
**CIP Code:** 49.0102
**Repeatability:** 0

**Effective Date:** Summer 2026

## 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 200.

### General Course Objectives

Acquire the knowledge required to pass the AVI 200 stage check.

### Minimum Placement Levels

| English | Reading | Math |
|---|---|---|
| None | None | None |

### Prerequisites

Approval of department chair

### Methods of Evaluation

Written assignments, quizzes, and exams.

### Instructional Materials and Additional Supplies

Airplane Flying Handbook, FAA, Current edition
Instrument Flying Handbook, FAA, Current edition
Instrument Procedures Handbook, FAA, Current edition
Federal Aviation Regulations and Aeronautical Information Manual (FAR/AIM), FAA, Current edition

## 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 61: Instrumental Procedures and Publications | 1. Review instrument publications and IFR procedures. | 2 | 0 | 0 |
| Ground Lesson 62: Complex Aircraft Propellers and Governors | 1. Understand required endorsements and components of complex aircraft systems, including constant-speed propellers and governors. | 2 | 0 | 0 |
| Ground Lesson 63: Complex Aircraft Systems | 1. Understand complex aircraft systems and factors affecting performance and limitations of complex single-engine aircraft. | 2 | 0 | 0 |
| Ground Lesson 64: Normal and Emergency Procedures | 1. Understand limitations, normal procedures, and emergency procedures for complex single-engine aircraft. | 2 | 0 | 0 |
| Ground Lesson 65: Performance Charts and Limitations | 1. Predict airplane performance using performance charts for all phases of flight. | 2 | 0 | 0 |
| Ground Lesson 66: Weight and Balance | 1. Determine how airplane and loading changes affect the airplane's weight and balance condition.<br>2. Understand airplane equipment list use in weight and balance determination. | 2 | 0 | 0 |
| Ground Lesson 67: Navigation Systems | 1. Understand instrument procedures outlined in the Aeronautical Information Manual (AIM) including GPS, ILS, NDB, and VOR navigation. | 2 | 0 | 0 |
| Ground Lesson 68: Garmin GNS 430 | 1. Demonstrate Garmin GNS 430 operation in VFR and IFR flight. | 2 | 0 | 0 |
| Ground Lesson 69: Airspace | 1. Understand the National Airspace System including airspace class designation, Special Use Airspace, and depiction on navigation charts. | 2 | 0 | 0 |
| Ground Lesson 70: VFR Cross-Country Planning | 1. Understand VFR cross-country planning in a complex single-engine aircraft, including diversion and lost procedures. | 2 | 0 | 0 |
| Ground Lesson 71: Airport Markings and Signs, 49 CFR Part 1552 | 1. Understand airport pavement markings, airport signs, and airport operations including runway incursion avoidance.<br>2. Understand TSA rules applicable to flight training. | 2 | 0 | 0 |
| Ground Lesson 72: Private Pilot Maneuvers | 1. Understand Private Pilot maneuvers in a complex single-engine airplane. | 2 | 0 | 0 |
| Ground Lesson 73: Aeromedical Factors and Night Operations | 1. Understand physiology related to flight, including night operations. | 2 | 0 | 0 |

| Course Segment | Learning Outcomes | Lecture Hours | Lab Hours | Clinical Hours |
|---|---|---|---|---|
| Ground Lesson 74: Weather Theory and Weather Products | 1. Understand weather theory.<br>2. Interpret weather products. | 2 | 0 | 0 |
| Ground Lesson 75: Review and Final Exam | 1. Demonstrate through written exam an understanding of the content of Ground Lessons 61 through 74. | 2 | 0 | 0 |

**Total Contact Hours**

| Lecture Hours | Lab Hours | Clinical Hours |
|---|---|---|
| 30 | 0 | 0 |