

Stage I - Instrument Rating

Ground Lesson 2

Note: Students should read Chapter 2, Section A prior to Ground Lesson 2.

Lesson Objective:

- Gain a working knowledge of the function and use of the flight instrument components and systems.
- Become familiar with the limitations and common errors of the flight instrument systems and components.

Academic Content:

Section A - Instrument/Commercial Training and Opportunities

- FAA Instrument Requirements
- Pilots Operating Handbook

Date Completed _____

Time _____

Gyroscopic Flight Instruments

- System Operation
- System Errors
- Instrument Check

Date Completed _____

Time _____

Magnetic Compass

- System Operation
- System Errors
- Instrument Check

Date Completed _____

Time _____

Pitot-Static Instruments

- System Operation
- System Errors
- Instrument Check
- V-Speeds and Color Codes

Date Completed _____

Time _____

Integrated Displays

- Primary Flight Display (PFD)
- Multifunction Display (MFD)
- Malfunctions and Failures

Date Completed _____

Time _____

Completion Standards:

- Demonstrate understanding of IFR instrument requirements as well as instrument flight systems, instrument operations, and instrument errors during oral quizzing by the instructor at completion of lesson.
- Student completes Chapter 2 questions for Section A with a minimum passing score of 80%, and the instructor reviews incorrect responses to ensure complete understanding before the student progresses to Ground Lesson 3.

I certify that the aforementioned training has been conducted and/or received in accordance with Leading Edge Aviation Standards and the current 141 approved Jeppesen Private Pilot Syllabus.

Instructor _____

Date _____

Student _____

Date _____