

Stage I - Instrument Rating

Ground Lesson 1

Note: Students should read Chapter 1, Sections A and B prior to Ground Lesson 1.

Lesson Objective:

- Review knowledge of private pilot privileges.
- Become familiar with advanced pilot training and opportunities.
- Gain an understanding of the advanced human concepts related to aviation.

Academic Content:

Course Overview

- Course Elements
- Course Materials
- Exams and Tests
- Policies and Procedures
- Aviation Training Device (ATD) Utilization
- Student/Instructor Expectations
- Review Private Pilot Privileges and Limitations

Section A - Instrument/Commercial Training and Opportunities

- Instrument Flight
- Instrument/Commercial Training
- Commercial Pilot Privileges
- Additional Certificates and Ratings

Date Completed _____

Time _____

Section B - Advanced Human Factors Concepts

- Aeronautical Decision Making
- Crew Resource Management
- Single-Pilot Resource Management
- The Decision-Making Process
- Pilot-in-Command Responsibility
- Communication
- Workload Management
- Situational Awareness

Date Completed _____

Time _____

Aviation Physiology

- Spatial Disorientation
- Vestibular Disorientation
- Motion Sickness
- Hypoxia
- Prevention of Hypoxia
- Decompression Sickness
- Hyperventilation
- Stress
- Fatigue
- Alcohol and Drugs
- Fitness for Flight

Date Completed _____

Time _____

Completion Standards:

- The student will indicate, through oral quizzing, familiarity with instrument/commercial training, opportunities in aviation, human factors, and understanding of private pilot privileges. In addition, the instructor will make sure the student has a basic understanding of policies and procedures applicable to the school's pilot training program.

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 _____