

# Stage I - Instrument Rating Flight Lesson 1

Leading Edge Aviation  
Version 2012

## Lesson Objective:

- Become familiar with the instrument training airplane.
- Briefly review normal preflight, takeoff, and landing procedures.
- Practice attitude instrument flight with emphasis on precise aircraft control solely by instrument reference including basic instrument flight maneuvers.

## Preflight Discussion:

- Aircraft Certificates and Documents
- Aircraft Logbooks
- Airworthiness Requirements
- Aircraft Performance
- Aircraft Weight and Balance
- Operation of Systems

## Normal Procedures:

	Satisfactory	Needs Improvement
Cockpit Resource Management _____	<input type="checkbox"/>	<input type="checkbox"/>
Use of Checklists _____	<input type="checkbox"/>	<input type="checkbox"/>
Positive Exchange of Flight Controls _____	<input type="checkbox"/>	<input type="checkbox"/>
Engine Starting _____	<input type="checkbox"/>	<input type="checkbox"/>
Collision Avoidance Procedures and CFIT _____	<input type="checkbox"/>	<input type="checkbox"/>
Controlled Flight Into Terrain (CFIT) Prevention _____	<input type="checkbox"/>	<input type="checkbox"/>
Normal and Crosswind Taxiing _____	<input type="checkbox"/>	<input type="checkbox"/>
Normal Takeoffs and Landings _____	<input type="checkbox"/>	<input type="checkbox"/>
Crosswind Takeoffs and Landings _____	<input type="checkbox"/>	<input type="checkbox"/>
Radio Communications and ATC Light Signals _____	<input type="checkbox"/>	<input type="checkbox"/>
Aeronautical Decision Making, Judgment, Flight Scenarios, Risk Management _____	<input type="checkbox"/>	<input type="checkbox"/>
Single-Pilot Resource Management _____	<input type="checkbox"/>	<input type="checkbox"/>
Runway Incursion _____	<input type="checkbox"/>	<input type="checkbox"/>
Situational Awareness _____	<input type="checkbox"/>	<input type="checkbox"/>

## Introduce:

### Full Panel Instrument

Straight-and-Level Flight _____	<input type="checkbox"/>	<input type="checkbox"/>
Change of Airspeed _____	<input type="checkbox"/>	<input type="checkbox"/>
Standard-Rate Turns _____	<input type="checkbox"/>	<input type="checkbox"/>
Constant Airspeed Climbs _____	<input type="checkbox"/>	<input type="checkbox"/>
Climbing Turns _____	<input type="checkbox"/>	<input type="checkbox"/>
Constant Airspeed Descents _____	<input type="checkbox"/>	<input type="checkbox"/>
Descending Turns _____	<input type="checkbox"/>	<input type="checkbox"/>
Power-Off Stalls _____	<input type="checkbox"/>	<input type="checkbox"/>
Power-On Stalls _____	<input type="checkbox"/>	<input type="checkbox"/>
Maneuvering During Slow Flight _____	<input type="checkbox"/>	<input type="checkbox"/>
Recovery From Unusual Flight Attitudes _____	<input type="checkbox"/>	<input type="checkbox"/>
Operations in Turbulence _____	<input type="checkbox"/>	<input type="checkbox"/>

## Completion Standards:

- Takeoffs and landings will be conducted safely and at least at the private pilot proficiency level.
- During the flight the student will maintain altitude  $\pm 200$  feet, heading  $\pm 15^\circ$  and airspeed  $\pm 15$  knots and bank angles within  $\pm 5^\circ$ .

Pre\_\_\_\_\_, Post\_\_\_\_\_, PIC\_\_\_\_\_, Dual\_\_\_\_\_, Inst. \_\_\_\_\_, XC\_\_\_\_\_, Solo\_\_\_\_\_, Night\_\_\_\_\_, Day Land\_\_\_\_\_, Night Land\_\_\_\_\_

Aircraft Tail # \_\_\_\_\_

Instructor \_\_\_\_\_

Date \_\_\_\_\_

Student \_\_\_\_\_

Date \_\_\_\_\_