

# Stage I - Instrument Rating

## Flight Lesson 5

**Lesson Objective:**

- Continue to review full and partial panel instrument flight.
- Become more familiar with related systems and equipment malfunctions.
- Introduce additional full/partial panel instrument maneuvers and procedures.

**Review:**

**Systems and Equipment Malfunctions**

**Satisfactory**

**Needs Improvement**

Loss of Primary Flight Instrument Indicators \_\_\_\_\_  \_\_\_\_\_

Loss of Communications \_\_\_\_\_  \_\_\_\_\_

**Partial Panel Instrument**

Straight-and-Level Flight \_\_\_\_\_  \_\_\_\_\_

Standard-Rate Turns \_\_\_\_\_  \_\_\_\_\_

Change of Airspeed \_\_\_\_\_  \_\_\_\_\_

Constant Airspeed Climbs \_\_\_\_\_  \_\_\_\_\_

Constant Airspeed Descents \_\_\_\_\_  \_\_\_\_\_

**Full Panel Instrument**

Steep Turns \_\_\_\_\_  \_\_\_\_\_

Maneuvering During Slow Flight \_\_\_\_\_  \_\_\_\_\_

Power-Off Stalls \_\_\_\_\_  \_\_\_\_\_

Power-On Stalls \_\_\_\_\_  \_\_\_\_\_

**Introduce:**

**Full Panel Instrument**

Constant Rate Climbs \_\_\_\_\_  \_\_\_\_\_

Constant Rate Descents \_\_\_\_\_  \_\_\_\_\_

Timed Turns to Magnetic Compass Headings \_\_\_\_\_  \_\_\_\_\_

**Partial Panel Instrument**

Recovery From Unusual Flight Attitudes \_\_\_\_\_  \_\_\_\_\_

Timed Turns to Magnetic Compass Headings \_\_\_\_\_  \_\_\_\_\_

Magnetic Compass Turns \_\_\_\_\_  \_\_\_\_\_

Constant Rate Climbs \_\_\_\_\_  \_\_\_\_\_

Constant Rate Descents \_\_\_\_\_  \_\_\_\_\_

**Completion Standards:**

- Using partial panel instrument reference, the student will maintain altitude  $\pm 200$  feet, heading  $\pm 15^\circ$  ands airspeed  $\pm 15$  knots and desired climb and descent rate  $\pm 150$  feet per minute.
- Demonstrate a basic understanding of IFR systems operation and recognize systems and equipment malfunctions.

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

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

Instructor \_\_\_\_\_

Date \_\_\_\_\_

Student \_\_\_\_\_

Date \_\_\_\_\_