

Stage I - Instrument Rating

Flight Lesson 12

Leading Edge Aviation
Version 2012

Lesson Objective:

- Increase proficiency in basic attitude instrument flight procedures.
- Introduce VOR, GPS, NDB, and localizer navigation using partial panel.

Review:

Full Panel Instrument

	Satisfactory	Needs Improvement
Localizer Tracking (Front Course) _____	<input type="checkbox"/>	<input type="checkbox"/>
Localizer Tracking (Back Course) _____	<input type="checkbox"/>	<input type="checkbox"/>

Full and Partial Panel Instrument

Timed Turns to Magnetic Compass Headings _____	<input type="checkbox"/>	<input type="checkbox"/>
Magnetic Compass Turns _____	<input type="checkbox"/>	<input type="checkbox"/>
Straight-and-Level Flight _____	<input type="checkbox"/>	<input type="checkbox"/>
Standard-Rate Turns _____	<input type="checkbox"/>	<input type="checkbox"/>
Climbs _____	<input type="checkbox"/>	<input type="checkbox"/>
Descents _____	<input type="checkbox"/>	<input type="checkbox"/>
Power-Off Stalls _____	<input type="checkbox"/>	<input type="checkbox"/>
Power-On Stalls _____	<input type="checkbox"/>	<input type="checkbox"/>
Recovery From Unusual Flight Attitudes _____	<input type="checkbox"/>	<input type="checkbox"/>

Introduce:

Partial Panel Instrument

VOR Navigation _____	<input type="checkbox"/>	<input type="checkbox"/>
GPS Navigation _____	<input type="checkbox"/>	<input type="checkbox"/>
NDB Navigation _____	<input type="checkbox"/>	<input type="checkbox"/>
Localizer Navigation _____	<input type="checkbox"/>	<input type="checkbox"/>

Completion Standards:

- The student will demonstrate accurate VOR, GPS, NDB, and localizer navigation in full panel and partial panel situations.
- Using partial panel and full panel instrument reference, the student will maintain altitude ± 100 feet, heading $\pm 10^\circ$, airspeed ± 15 knots, and desired descent and climb rate ± 100 Feet per minute.
- The student will perform correct recovery techniques from unusual attitudes using full and partial panel instrument reference.
- The student will demonstrate the correct recovery techniques from stalls using positive control techniques with a minimum loss of altitude.

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

Aircraft Tail # _____

Instructor _____

Date _____

Student _____

Date _____