

Flight Lesson: Advanced Attitude Instrument Flying

Objectives:

1. exhibit knowledge of the elements related to instrument attitude flying
2. learns to fly the plane smoothly and consistent through all combinations of the four fundamentals using instruments only
3. to establish a baseline of power settings and attitudes for the various desired configurations of flight

Schedule:

Activity	Est. Time
Ground	1
Preflight/Taxi	0.25
Flight	1.5
Debrief	0.25
Total	3.00

Elements Ground:

- Control and Performance
 - attitude changes
 - establish, trim, cross-check, adjust
- Primary and Supporting
 - scenarios for P&S instruments
- Instrument cross-check

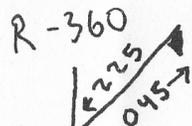
Recommended Readings:

IFH	Chapter 4: appropriate section
	Chapter 5: appropriate section

Elements Air:

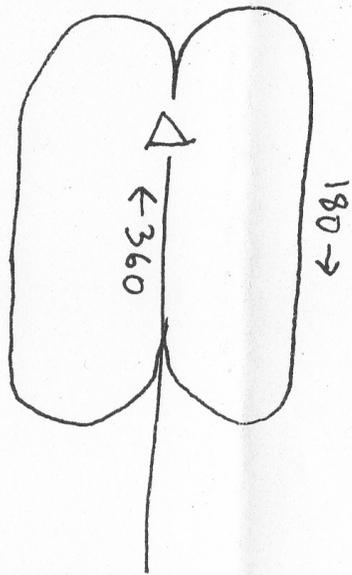
- Four Fundamentals
- individual instrument flight
- Combined Maneuvers
 - Lateral Maneuvers
 - racetrack pattern
 - 45° procedure turn
 - teardrop pattern
- Vertical Maneuvers

Procedure Turn Exercise



R-180

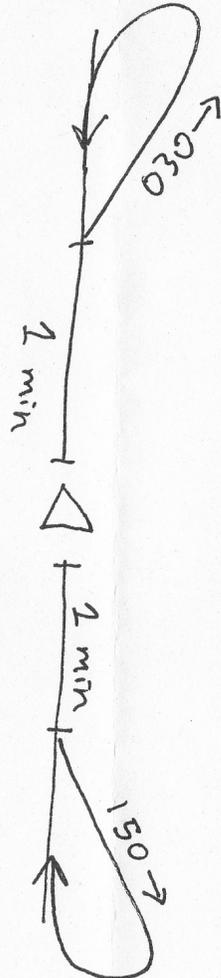
Holding Pattern Exercise



R-180

Teardrop Exercise

R-360



R-180

Procedure Turn Exercise

