

**Lesson 2** : Flight Prep. Control. Takeoffs.

Flight: \_\_\_\_\_ End Hobbs Date: \_\_\_/\_\_\_/\_\_\_  
Flight: \_\_\_\_\_ Start Hobbs Ground: \_\_\_\_\_  
Plane: \_\_\_\_\_  
Total : \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_ Landings: \_\_\_\_\_

- New :
- Checklists
  - Preflight (1)
  - Positive exchange of controls
  - Taxiing (2)
  - Pre-takeoff check & runup (2)
  - Takeoff** and climb (3)
  - Turns, with heading references
  - Straight & level (4)
  - Climbing turns (5)
  - Decending turns (8)
  - Glides, w/ and w/o flaps (8)
  - Return to airport
  - Approach and landing (3)
  - After landing
  - Parking & securing

Lesson includes: 61.87 (d) (1, 2, 3, 4, 5, 8), 61.107(b)(1)(i,ii,iii,iv,xii)

Notes:

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Endorsements Given:

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NAME: \_\_\_\_\_  
CFI: \_\_\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

- READING
- Jepp. Ch.2, Airplane Systems
  - Jepp. Ch.3 Aerodynamic Principles
  - PHAK Ch.3 Aerodynamics
  - PHAK Ch.5 Aircraft Systems
  - PHAK Ch.6 Flight Instruments
  - Jepp.Manuev.: 1-5, 10, 13 (review 6-9)
  - AFH Ch.2 Ground ops
  - AFH Ch.5 Takeoffs and climbs
  - review AFH Ch.1, Ch.3 Basic Flight Maneuvers

There are four basic things that a plane can do: what are they? (climb, decend, turn, level) **[and combine them]**

Explain proper positioning on ground run up of the plane, into wind. Division of attention (taxi and runup)

Powerplant and Systems  
Takeoffs - directional control  
PREFLIGHT and INSTRUMENTS

- Terminology:
- "Back/forward pressure" pitch on the yoke.
  - Names and function of the flight instruments.
  - "Yaw," "roll," "pitch," "rotate"

- Discuss:
- Power control
  - Pressure control
  - Trim
  - Exchange of controls
  - Interpretation of outside references
  - Division of attention
  - IMSAFE**

- Certificates and Documents
- ARROW
- Aircraft logbooks (fill in inspection sheet)