

**PRIVATE PILOT FLIGHT SYLLABUS: PRE-SOLO FAR 61.87(d), 61.87(b)**  
RECOMMENDED READING TO BE COMPLETED BEFORE THE LESSON AS LISTED BELOW  
Jepp.= Jeppesen, PHAK= Pilot Handbook of Aeronautical Knowledge, AFH= Airplane Flying Handbook

- 1) 61.87(d) (2),(4),(5),(8) taxi, straight and level, turns, climbs, descents, landings.  
**READING:**
  - ◇ Jepp. Ch.1, Ch.2A Airplanes / PHAK Ch.1 Aircraft Structure, Ch.2, Ch.4 Controls
  - Jepp. Maneuvers: 3, 6, 7, 8, 9
  - AFH **Ch.1, Ch. 3** Basic Flight Maneuvers
- 2) 61.87(d) (1),(2),(3),(4),(5),(8) preflight procedures and planning, takeoffs, *taxi, straight and level, turns, climbs, descents, landings.*  
**READING:**
  - ◇ Jepp. Ch.2, Systems, Ch.3 Aero. / PHAK Ch.3 Aerodynamics, Ch.5 Systems, Ch.6 Instr.
  - Jepp. Maneuvers: 1 through 5, 10, 13, (review 6 through 9)
  - AFH **Ch.2** Ground ops, **Ch.5** Takeoffs and Climbs, (review **Ch.1, Ch.3**)
- 3) 61.87(d) (1-9) *preflight procedures and planning, taxi, straight and level, turns, climbs, descents, landings, airport operations, traffic pattern, collision avoidance, slow flight.*  
**READING:**
  - ◇ Jepp. Ch.4B,4D Airports, Airspace, Ch.5B Radio / PHAK Ch.12 Apt ops, Ch.13 Airspace
  - Jepp. Maneuvers: 12, 17, 21, (review 1 through 9, 10, 13)
  - AFH **4-1 to 4-2** Slow Flight, **9-1 to 9-2** Steep turns, **Ch.7** Patterns, **8-1 to 8-10** Appr. and Landings
- 4) 61.87(d) (9),(10) slow flight, stalls.  
**READING:**
  - ◇ Jepp. Ch.4 / PHAK 14-1 to 14-2
  - Jepp. Maneuvers: 17, 18, 19
  - AFH **Ch.4** Slow flight, stalls, spins
- 5) 61.87(d) (3),(12) takeoffs, landings, ground reference maneuvers  
**READING:**
  - Jepp. Maneuvers: 22, 23, 24, 10, 12, 13
  - AFH **5-1 to 5-4** T/O and Climbs, **Ch.7** Patterns, **8-1 to 8-13** Appr. and Landings, **6-1 to 6-8** Ground ref.
- 6) 61.87(d) (11),(13),(14),(15) emergency procedures, slips, go-arounds  
**READING:**
  - Jepp. Maneuvers: 13, 15, 16
  - AFH **8-10 to 8-12** Slips, Go-arounds, **8-27 to 8-33** Faulty App. and Land., **Ch.16, 8-25** Emerg ops
- 7) 61.87(d) (3),(12),(14) x-wind takeoffs, x-wind landings, ground reference maneuvers, *slips*  
**READING:**
  - ◇ Jepp. Ch.5 / PHAK Ch.12
  - Jepp. Maneuvers: 22, 23, 24, 11, 14
  - AFH **5-5 to 5-7** x-wind t/o, **6-1 to 6-8** Ground ref.
  - AFH **8-10 to 8-13** Slips, Go-arounds, **8-13 to 8-17** x-wind land.
- 8) 61.87(d) (1-15) review, and 61.87(b) PRE-SOLO aeronautical knowledge test review  
**READING:**
  - ◇ Jepp. Ch.1 - Ch.5, Ch.8B / PHAK Ch.1 - Ch.8, Ch.12, Ch.13
  - Jepp. Maneuvers: review 1 through 24
  - AFH **Ch.1 - Ch.8, 9-1 to 9-2, Ch. 16**
  - 14 CFR Part 61, 91, AIM
  - POH
- 9) STAGE CHECK
- 10) SUPERVISED SOLO FLIGHT

NOTES: LESSON 8 WILL OFTEN BE FLOWN MORE THAN ONCE. EACH LESSON IS APPROXIMATELY 1 TO 1.5HRS FLIGHT TIME.