

PRIVATE PILOT STAGE 1

1.) POH Limitations and Capacities

- a. Weight
- b. Capacities
- c. Fuel Grade (and colors)

2.) POH Aircraft Vspeeds and Definitions

- a. V_{SO}
- b. V_S
- c. V_r
- d. V_x
- e. V_y
- f. V_{fe}
- g. V_{fe} (white arc)
- h. V_g
- i. V_a
- j. V_{no}
- k. V_{ne}

3.) POH Weight/Balance and Performance Data

- a. Demonstrate Calculations

4.) POH Discuss/Definitions

- a. Maneuvering speed
 - i. Why below V_a in turbulence?
- b. Density Altitude
- c. Basic Empty Weight

5.) POH Aircraft Systems Descriptions

6.) 61.3 Required Pilot Documents

7.) 61.23 Medical Certificates

- a. Classes
- b. Durations
- c. Privileges

8.) 61.89, 61.95 Student Pilot Limitations

9.) 91.9, 91.103, 91.203 Airworthiness Documents

- a. ARrOW

10.) 91.3 Pilot In command (PIC) Responsibilities

11.) 91.113 Right of Way Rules

12.) 91.125 Light Gun Signals

13.) 91.126 Class G Airspace

- a. Dimensions/Knowledge/Sectional Chart Depiction
- b. Limitations
- c. 91.155 VFR Minimums
- d. Radio Procedures
- e. Required Equipment

14.) 91.127 Class E Airspace

- a. Dimensions/Knowledge/Sectional Chart Depiction
- b. Limitations
- c. 91.155 VFR Minimums
- d. Radio Procedures
- e. Required Equipment

15.) 91.129 Class D Airspace

- a. Dimensions/Knowledge/Sectional Chart Depiction
- b. Limitations
- c. 91.155 VFR Minimums

- d. Radio Procedures
- e. Required Equipment
- 16.) 91.205 VFR Required Equipment**
 - a. Day
 - i. ATOMATOFFLAMES
- 17.) 91.409, 91.411, 91,413 Aircraft Airworthiness Inspections**
 - a. AV1ATEA
- 18.) 91.417 Maintenance Records**
- 19.) AIM 4-3-* Airport Operations**
- 20.) AIM 2-3-3 through 2-3-13 Airport Markings and Signs**
 - a. Runway Incursion/Hot Spots
- 21.) PHAK & POH Emergency Operations**
- 22.) PHAK Basic Aerodynamics (Chap 4, pg1-39)**
- 23.) PHAK Basic Weather Theory (Chap 11)**