PRIVATE PILOT GROUND SCHOOL SYLLABUS

CLASS OUTLINE

COURSE SUBJECT

Airplane Systems - Jeppesen Chapter 2
- Airplane (section A)
- Airplane Power plant (section B)
- Flight instruments (section C)

Aerodynamic Principles - Jeppesen Chapter 3
- Four Forces of flight (section A)
- Stability (section B)
- Aerodynamic of maneuvering flight (section C)

The Flight Environment – Jeppesen Chapter 4
- Safety of flight (Section A)
- Airports (section B)
- Aeronautical charts (section C)
- TFR's

Communication & Flight Information - Jeppesen Chapter 5
- Radar and ATC service (section A)
- Radio Procedure (section B)
- Sources of flight information (section C)

Meteorology for Pilots - Jeppesen Chapter 6
- Basic Weather (section A)
- Weather Patterns (section B)
- Weather Hazards (section C)

Weather Information and Forecasts – Foreflight & Apps
- Metars, Airmets/Sigmets, TAF/ MOS forecasts
- Radar/Satellite Imagery, Dew Point Spread,
- Winds Aloft, Freezing/Icing Levels
- Pireps, Surface Analysis Charts
- Weather Briefer 1800-WX-BRIEF

Airspace – Jeppesen Chapter 4
- Airspace (section D)
- Special Use Airspace

Cross Country Flight Planning

Airplane Performance - Jeppesen Chapter 8
- Predicted Performance (Section A)
- Weight and Balance (Section B)
- Flight computers (E6B) (Section C)

Navigation - Jeppesen Chapter 9
- VOR Navigation
- NDB Navigation
- GPS Navigation

Applying Human Factors - Jeppesen Chapter 10
- Aviation Physiology
- Aeronautical Decision Making (ADM)

Checkride Oral Exam Prep
- ACS Booklet
- ACS Study Guide

Free Online Content

- BoldMethod.com – Free Aviation Ground school/Quizzes/News
- Profpilot - Youtube– Free Aerodynamic Videos
- Avweb.com – Free Daily Aviation News Email
- Aviationweather.gov – Weather Source

Apps
- Foreflight – Flight Planning/ Weather App
- MyRadar – Free Weather App
- Aeroweather Lite – Free Weather App
- Sportys E6B – Flight Planning computer App
- Windy – Weather App
- Pilot Time – Time App to convert to Zulu Time

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