

Private Pilot Ground School

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Office Hours Mon. to Sun., 7am to 5pm

Text:

- Guided Flight Discovery Private Pilot Textbook (PPM)
- Guided Flight Discovery Private Pilot Knowledge Test Guide (PPTG)

Description:

Flying airplanes is fun, exciting and challenging. But to fly safely requires a substantial amount of knowledge and judgment. In this course, we'll tackle the knowledge and judgment required to fly at the Private Pilot level, to pass your FAA written exam and to pass your FAA mandated oral exam.

Goals:

- Pass the FAA Private Pilot Aeronautical Knowledge Test
- Pass the FAA Private Pilot Oral Exam
- Develop the knowledge required for a lifetime of safe flying.

Resources:

Below is a list of resources that are published by the Federal Aviation Administration

- Advisory Circulars, including:
 - AC 00-6A: Aviation Weather (AW)
 - AC 00-45: Aviation Weather Services (AWS)
- Airport / Facility Directory (A/FD)
- Aeronautical Information Manual (AIM)
- Federal Aviation Regulations (FAR)
- Airplane Flying Handbook (AFH) *FAA-H-8083-3A*
- Aerodynamics for Naval Aviators (NAVWEPS)
- Pilots Handbook of Aeronautical Knowledge (PHB) *FAA-H-8083-25*
- Aircraft Weight & Balance Handbook (WBH) *FAA-H-8083-1*

Evaluation:

Students will be assigned homework and will be asked to take practice exams. Only when the student has demonstrated the skills necessary to pass the FAA written exam will the course be considered complete and the FAA Written Test Endorsement signed off.

Course Schedule:

The class will meet once each week for eight weeks. Each session will be four hours in length. Below is a list of the required reading and homework associated with each course.

Week 1: Introduction, Discovering Aviation, Airplane Systems

Reading Assignment: PPM Chapters 1 and 2.

Homework Assignment: PPTG Chapters 1 and 2.

Week 2: Aerodynamic Principles, The Flight Environment

Reading Assignment: PPM Chapters 3 and 4.

Homework Assignment: PPTG Chapters 3 and 4.

Week 3: Communication & Flight Information, Meteorology for Pilots

Reading Assignment: PPM Chapters 5 and 6.

Homework Assignment: PPTG Chapters 5 and 6.

Week 4: Interpreting Weather Data, Airplane Performance

Reading Assignment: PPM Chapters 7 and 8.

Homework Assignment: PPTG Chapters 7 and 8.

Week 5: Navigation, Applying Human Factors

Reading Assignment: PPM Chapters 9 and 10.

Homework Assignment: PPTG Chapters 9 and 10.

Week 6: Flying Cross Country, Federal Aviation Regulations

Reading Assignment: PPM Chapters 11 and 12.

Homework Assignment: PPTG Chapters 11 and 12.

Week 7: Catch Up, Checkride Preparation

Reading Assignment: None.

Homework Assignment: Practice Tests

Week 8: Review, Final Exam, Graduation Lunch

Examinations:

During week 8, students will be given a sample FAA Private Pilot Knowledge Test. Students are expected to pass with a score of 80% or greater.