

INSTRUCTOR: Ben Tubbs
Certified Flight Instructor
Commercial AMEL
Commercial ASEL
Instrument rating

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Course Overview

Flying for fun or for a profession can be very rewarding; however it takes a lot of dedication and integrity to maintain a safe environment for you and the people around you. This course is designed to help the student pilot prepare for the FAA Private Pilot knowledge exam. Upon completion of the course the instructor will endorse the appropriate portion of your logbook/certificate if you are found ready for the FAA Private Pilot Knowledge exam. This course is designed as a preparation course for your flight training required by the Federal Aviation Administration. The flight training and practical test will complete the requirements set by the government to receive a private pilot license.

This course will cover the following aviation topics:

Principles of flight, charts, navigation, aircraft systems, environmental factors, aviation operations, aircraft structure and capability, radio communication, meteorology, air traffic control procedures, FAA regulations, and all items listed under 14 FAR 61.105

Course Objectives

1. To prepare the student pilot to pass the FAA knowledge exam with a minimum score of 70 percent.
2. Expose student pilots to the world of aviation.
3. Explain the opportunities within aviation, including pleasure flying, business flying and aviation careers.

Required Material

JEPPESEN PRIVATE PILOT TEST GUIDE	\$16.00
TEST GUIDE SUPPLEMENT	\$4.00
E6B Flight Computer (for the metal one, paper one is acceptable)	\$25.00
ROTATABLE PLOTTER	\$11.00
FAR/AIM.....	\$9.00
CHICAGO SECTIONAL.....	\$7.00
PILOT LOG BOOK	\$11.00
TOTAL	\$83.00

ADDITIONAL CLASSROOM MATERIAL

JEPPESEN PRIVATE PILOT TEXTBOOK	\$69.00
Note book	
Pencil and Pen	
Folder/3 Ring Binder	

SCHEDULE

This class will be a 7 week course. Classes will meet two nights a week for a total of 3 hours a session. Appropriate breaks will be given as needed. The schedule for the course is as follows.

<u>Date</u>	<u>Session Number</u>
05/14/13	1
05/16/13	2
05/21/13	3
05/23/13	4
05/28/13	5
05/30/13	6 (Exam 1)
06/04/13	7
06/06/13	8
06/11/13	9
06/13/13	10
06/18/13	11
06/20/13	12
06/25/13	13
06/27/13	14 (Final Exam)
07/01/13	15 (Make Up)

ATTENDANCE AND EXPECTATIONS

According to the FAR 61.105 there is no required ground training set hours. Ultimately it falls on the instructor to review the knowledge of the student seeking their endorsement for the Private Pilot Knowledge test. I expect this to be taken seriously and everyone to do well, however I do understand that life happens. If you have to miss a class session **please let the instructor know** ahead of time and we can reschedule a make-up lesson to cover the material that was discussed. If in the event the instructor is absent there will be a substitute instructor with the same credentials to cover that day's lesson

GRADING

A letter grade will not be issued and the grade from this course will in no way affect a GPA from a High School, College, or any other form of formal education. While this is a private course and a letter grade will not be issued, this course is still going to be beneficial to acquiring your license. A passing grade on the final exam will result in a sign off to take the FAA Private Pilot knowledge exam. Therefore, your best effort will be required to learn the required material presented in class and assigned as homework.

Exam 1 and the Final exam will make up the majority of your overall assessment for the course. There is no specified minimum grade for exam 1, but all students are **REQUIRED** to reconcile the test to 100% with the entire class after the exam or at a later date, one on one with the instructor. A passing grade of 80% or better on the final exam will be required for a signoff. **One (1)** retest will be allowed for the final exam at no additional cost and will have to be scheduled during an agreed upon time by both the instructor and the student. Homework and other take home assignments will be graded on a complete or incomplete basis. It is to a student's benefit to take every assignment and test seriously as it will best prepare them for the FAA Private Pilot knowledge exam.

DISCLAIMER

The Instructor reserves the right to require extra training before endorsing the Private Pilot Knowledge test endorsement based on the student's knowledge of the material required. At the end of each lesson the student and the instructor will initial the ground school log sheet with a description of what material was covered in class that day, and date it. If there are any questions a student may have of his or

her progress at any time during the duration of the class, please feel free to contact the instructor for a one on one meeting. The instructor holds the right to change items in this syllabus and course as needed, but ample notice will be given of any such changes.

CLASS OUTLINE

	<u>COURSE SUBJECT</u>	<u>READING IN TEXT</u>
Session 1 3 Hrs	Introduction Discovering aviation (section A) Pilot Training/Aviation opportunities (Section B) Intro to Human Factors (section C)	Jeppesen Chapter 1 Jeppesen Test guide
Session 2 3 Hrs	Airplane Systems Airplane (section A) Airplane Power plant (section B) Flight instruments (section C)	Jeppesen text Chapter 2 Jeppesen Test guide
Session 3 3 Hrs	Aerodynamic Principles Four Forces of flight (section A) Stability (section B) Aerodynamic of maneuvering flight (section C)	Jeppesen text Chapter 3 Jeppesen Test guide
Session 4 3 Hrs	The Flight Environment Safety of flight (Section A) Airports (section B) Aeronautical charts (section C) Airspace (section D)	Jeppesen text Chapter 4 Jeppesen Test guide
Session 5 3 Hrs	Communication & Flight Information Radar and ATC service (section A) Radio Procedure (section B) Sources of flight information (section C)	Jeppesen text Chapter 5 Jeppesen Test guide
Session 6 3 Hrs	EXAM 1 Review questions about Exam 1 BTL Tower Tour (Optional) (Car Pooling will be available)	

PRIVATE PILOT GROUND SCHOOL SYLLABUS

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Session 7 3 Hrs	Meteorology for Pilots Basic Weather (section A) Weather Patterns (section B)	Jeppesen Text Chapter 6 Jeppesen Test guide
Session 8 3 Hrs	Meteorology for Pilots (cont') Weather Hazards (section C) Interpreting Weather Data The Forecasting Process	Jeppesen Text Chapter 6 Jeppesen Test guide Jeppesen Text Chapter 7 Jeppesen Test Guide
Session 9 3 Hrs	Printed reports and Forecast Graphic Weather Products Sources of Weather Information	Jeppesen Text Chapter 7 Jeppesen Test Guide
Session 10 3 Hrs	Airplane Performance Predicted Performance (Section A) Weight and Balance (Section B) Flight computers (E6B) (Section C)	Jeppesen Text Chapter 8 Jeppesen Test Guide
Session 11 3 Hrs	Navigation Pilotage & Dead Reckoning VOR Navigation ADF Navigation Advanced Navigation	Jeppesen Text Chapter 9 Jeppesen Test Guide
Session 12 3 Hrs	Applying Human Factors Aviation Physiology Aeronautical Decision Making (ADM)	Jeppesen Text Chapter 10 Jeppesen Test Guide
Session 13 3 Hrs	Flying Cross Country The Flight Planning Process The Flight FAR's NTSB 830	Jeppesen Text Chapter 10 Jeppesen Test Guide
Session 14 3 Hrs	Make up class extension if need if other classes run over.	
Session 15 3 Hrs	Review for Final Final Exam	All material