



Private Pilot Ground School Online Syllabus

AVIATION ONLINE TRAINING LLC

VIRTUAL CLASS ROOM COURSE SYLLABUS

PRIVATE PILOT "LEARN TO FLY" GROUND SCHOOL

Instructor: Joseph Pelton

Certified Flight Instructor
Advanced Ground Instructor
Instrument Ground Instructor

Email: onlinetrain@comcast.net

COURSE DESCRIPTION

This course is designed to help students evaluate the exciting field of aviation as a career or hobby. The program prepares the student for successfully passing the FAA private pilot written exam. Upon completion of the 11 week course the student will receive via fax an endorsement to take the FAA Private Pilot Written.

The 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 and FAA regulations.

COURSE OBJECTIVES

1. Gain the required knowledge to pass the FAA private pilot written test with a minimum score of 70 percent.
2. Expose prospective and active students to the world of general aviation.
3. To expose students to the opportunities within aviation, including pleasure flying, business flying and aviation careers.



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Required Class Courseware Materials

Gleim Written Exam Guides	\$15.95
Private Pilot Knowledge Test software	\$49.95
FAR/AIM	\$15.95
E6B Flight Computer	\$ 9.95
Navigation Plotter	\$ 6.95
Total	\$98.75

Gleim Private Pilot Kit **\$129.95**
(Recommended for those interested in flight training, and includes all the required materials.)

Private Pilot Textbook - Jeppesen **\$73.95**
(Recommended Textbook)

A discount on courseware materials is available, when ordered them from Aviation Online Training, if enrolled in the Ground School. E-mail onlinetrain@comcast.net for details before ordering.



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GENERAL OUTLINE OF VIRTUAL CLASS

	<u>UNIT OF STUDY</u>	<u>READING IN TEXT</u>
<u>Week 1</u>	Airplanes and Aerodynamics Aerodynamic Principals	Gleim Chapter 1 Jepp. Chapter 3
Before next class: Complete 25 Questions - Gleim Chapter 1 Practice Session E-mail results to onlinetrain@comcast.net		
<u>Week 2</u>	Airplane Instruments, Engines, and Systems Aircraft Systems	Gleim Chapter 2 Jepp. Chapter 2
Before next class: Complete 35 Questions – Gleim Chapter 2 Practice Session E-mail results to onlinetrain@comcast.net		
<u>Week 3</u>	Airports, Air Traffic Control, and Airspace The Flight Environment Communication and Flight Information	Gleim Chapter 3 Jepp. Chapter 4 Sec B,D Jepp. Chapter 5
Before next class: Complete 45 Questions – Gleim Chapter 3 Practice Session E-mail results to onlinetrain@comcast.net		
<u>Week 4</u>	Federal Aviation Regulations Gleim FAR/AIM	Gleim Chapter 4 FAR 61 and 91
Before next class: Complete 60 Questions – Gleim Chapter 4 Practice Session E-mail results to onlinetrain@comcast.net		
<u>Week 5</u>	Airplane Performance and Weight and Balance Airplane Performance	Gleim Chapter 5 Jepp. Chapter 8
Before next class: Complete 20 Questions – Gleim Chapter 5 Practice Session E-mail results to onlinetrain@comcast.net		



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GENERAL OUTLINE OF VIRTUAL CLASS

	<u>UNIT OF STUDY</u>	<u>READING IN TEXT</u>
<u>Week 6</u>	Aeromedical Factors and Aeronautical Decision Making (ADM) Applying Human Factors Principals	Gleim Chapter 6 Jepp. Chapter 10

Before next class: Complete All Questions – Gleim Chapter 6 Practice Session
E-mail results to onlinetrain@comcast.net

<u>Week 7</u>	Aviation Weather Meteorology for Pilots	Gleim Chapter 7 Jepp. Chapter 6
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Before next class: Complete 35 Questions – Gleim Chapter 7 Practice Session
E-mail results to onlinetrain@comcast.net

<u>Week 8</u>	Aviation Weather Services Interpreting Weather Data	Gleim Chapter 8 Jepp. Chapter 7
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Before next class: Complete 35 Questions – Gleim Chapter 8 Practice Session
E-mail results to onlinetrain@comcast.net

<u>Week 9</u>	Navigation: Charts and Publications Aeronautical Charts	Gleim Chapter 9 Jepp. Chapter 4 Sec C
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Before next class: Complete 35 Questions – Gleim Chapter 9 Practice Session
E-mail results to onlinetrain@comcast.net

<u>Week 10</u>	Navigation Systems Navigation	Gleim Chapter 10 Jepp. Chapter 9
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Before next class: Complete All Questions – Gleim Chapter 10 Practice Session
E-mail results to onlinetrain@comcast.net



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GENERAL OUTLINE OF VIRTUAL CLASS

	<u>UNIT OF STUDY</u>	<u>READING IN TEXT</u>
<u>Week 11</u>	Cross Country Flight Planning Flying Cross Country	Gleim Chapter 11 Jepp. Chapter 11

Before next class: Complete 35 Questions – Gleim Chapter 11 Practice Session
E-mail results to onlinetrain@comcast.net

Week 12 No virtual class scheduled unless by student request.

Within 1 Week:

Complete **Final Exam** and E-mail results to onlinetrain@comcast.net

Upon receipt of a final score of 80% or greater, a completed authorization (signed by an FAA Certified Flight Instructor or Ground Instructor) to take the FAA Private Pilot Exam will be sent to the student requested source, ex. FAX, Snail Mail, etc..

The student must take the signed authorization to a Computer Testing Center within the next 30 days and complete the FAA Knowledge Test.

Testing Centers

C.A.T.S (800) 947-4228, (650)259-8550
LaserGrade (800) 211-2754, (360)-896-9111

Or your local flight school may offer testing.