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.
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.
# General Outline of Virtual Class

<table>
<thead>
<tr>
<th>Week</th>
<th>Unit of Study</th>
<th>Reading in Text</th>
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</thead>
</table>
| **Week 1** | 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 |
| **Week 2** | 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 |
| **Week 3** | 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 |
| **Week 4** | 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 |
| **Week 5** | 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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<tr>
<th>Week</th>
<th>UNIT OF STUDY</th>
<th>READING IN TEXT</th>
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<tbody>
<tr>
<td>6</td>
<td>Aeromedical Factors and Aeronautical Decision Making (ADM)</td>
<td>Gleim Chapter 6</td>
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<tr>
<td></td>
<td>Applying Human Factors Principals</td>
<td>Jepp. Chapter 10</td>
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<td>Before next class: Complete All Questions – Gleim Chapter 6 Practice Session E-mail results to <a href="mailto:onlinetrain@comcast.net">onlinetrain@comcast.net</a></td>
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<td>7</td>
<td>Aviation Weather</td>
<td>Gleim Chapter 7</td>
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<td>Meteorology for Pilots</td>
<td>Jepp. Chapter 6</td>
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<td>Before next class: Complete 35 Questions – Gleim Chapter 7 Practice Session E-mail results to <a href="mailto:onlinetrain@comcast.net">onlinetrain@comcast.net</a></td>
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<tr>
<td>8</td>
<td>Aviation Weather Services</td>
<td>Gleim Chapter 8</td>
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<td></td>
<td>Interpreting Weather Data</td>
<td>Jepp. Chapter 7</td>
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<td>Before next class: Complete 35 Questions – Gleim Chapter 8 Practice Session E-mail results to <a href="mailto:onlinetrain@comcast.net">onlinetrain@comcast.net</a></td>
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<td>9</td>
<td>Navigation: Charts and Publications</td>
<td>Gleim Chapter 9</td>
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<td></td>
<td>Aeronautical Charts</td>
<td>Jepp. Chapter 4 Sec C</td>
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<td>Before next class: Complete 35 Questions – Gleim Chapter 9 Practice Session E-mail results to <a href="mailto:onlinetrain@comcast.net">onlinetrain@comcast.net</a></td>
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<tr>
<td>10</td>
<td>Navigation Systems</td>
<td>Gleim Chapter 10</td>
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<tr>
<td></td>
<td>Navigation</td>
<td>Jepp. Chapter 9</td>
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<td>Before next class: Complete All Questions – Gleim Chapter 10 Practice Session E-mail results to <a href="mailto:onlinetrain@comcast.net">onlinetrain@comcast.net</a></td>
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GENERAL OUTLINE OF VIRTUAL CLASS

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<tr>
<td><strong>Week 11</strong></td>
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<tr>
<td>Cross Country Flight Planning</td>
<td>Gleim Chapter 11</td>
</tr>
<tr>
<td>Flying Cross Country</td>
<td>Jepp. Chapter 11</td>
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</tbody>
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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.