



PILOT RISE  
LLC

## Private Pilot Syllabus

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Version 5

### **Description:**

This course makes getting your private pilot's license easier and cheaper than traditional methods. We incorporate simulators and ground training to teach you what you need to know to become a great pilot. The focus of this course is to teach you piloting skills to not just pass a test, but be a safe and knowledgeable pilot.

Students should take notes with all ground lessons and ground videos to be used to study.

This course consists of four major parts:

- Flight training
- Ground training
- Online Ground Course / Homework (Gold Seal Online Ground School - Private Pilot)
- Simulator training (this part is optional)

### **Objectives:**

1. To prepare student pilots for the Private Pilot written test
2. To prepare student pilots for soloing an aircraft
3. To instill private pilot knowledge into students with a focus on the long term
4. To help student pilots earn their Private Pilot's license

## Topics:

### Ground Training:

1. Principles of Flight
2. Airspace
3. Flight Planning
4. Navigation
5. Weather
6. Instruments
7. Weight and Balance
8. Aircraft Performance
9. Airport Operations
10. Regulations
11. Aircraft Systems
12. Other Technical Subjects

### Flight and Simulator Training:

1. Fundamental Maneuvers
2. Controls and Instruments
3. Airport Operations
4. Preflight Planning
5. Preflight Checks
6. Takeoffs
7. Landings
8. Maneuvers, Stalls, Slow Flight
9. Emergency Operations
10. Navigation

### Estimations:

Home Study	Flight Hours (\$84)		Ground Hours (\$60) (includes preflight and post flight)	Total Cost (block rate)
	Solo	Dual		
<b>! DO THIS !</b>				
Heavy	15	30	20	\$6,800
Moderate	20	35	30	\$8,500
Little	25	40	40	\$10,200

**Lessons:**

This is a list of each lesson which will be taught. One lesson may need multiple sessions to complete, and several lessons may be completed in a single session.

The time estimates are just estimates. The time estimates are also based on someone who has completed the homework and has studied heavily.

Lesson	Time	Flight	Ground (as needed)	Homework
1	Flight: 1.5 Ground: 1.3	<ul style="list-style-type: none"><li>● Startup</li><li>● Taxi</li><li>● Runup</li><li>● Takeoff</li><li>● Four Fundamentals</li><li>● Following a Road</li><li>● Slow Flight</li><li>● Learning the Area</li><li>● Basics of Radio</li></ul>	<ul style="list-style-type: none"><li>● Student Questionnaire</li><li>● Citizenship Verification</li><li>● Preflight</li><li>● Student Pilot 8710</li><li>● Student Package</li><li>● Refueling</li><li>● Securing / Post flight</li></ul>	<ul style="list-style-type: none"><li>● Sign Up for Ground Courses</li><li>● Complete Section 1</li></ul>
2	Flight: 1.7 Ground: 1	<ul style="list-style-type: none"><li>● Previous Flight</li><li>● Rectangular Course (pattern)</li><li>● Turns around a point</li><li>● S-Turns</li><li>● Steep Turns</li><li>● Slow Flight</li><li>● Crabbing for wind</li><li>● Basics of Radio</li></ul>	<ul style="list-style-type: none"><li>● Rectangular Course</li><li>● Turns around a point</li><li>● S-Turns</li><li>● Steep Turns</li><li>● Intro to the pattern</li></ul>	<ul style="list-style-type: none"><li>● Fill out MedExpress form (schedule medical)</li><li>● Section 2:<ul style="list-style-type: none"><li>○ “Understanding Sectional Charts”</li><li>○ “Airport Operations”</li><li>○ “The Stabilized Approach”</li></ul></li><li>● Section 3:<ul style="list-style-type: none"><li>○ “Engine and Systems”</li><li>○ “Ground Reference Maneuvers”</li><li>○ “...Turns Around a Point”</li><li>○ “Steep Turns”</li></ul></li></ul>

3	Flight: 1.7 Ground: 1	<ul style="list-style-type: none"> <li>● Slow Flight</li> <li>● Steep Turns</li> <li>● Power off stalls</li> <li>● Power on stalls</li> <li>● Spin awareness</li> <li>● Lost procedures</li> <li>● Emergency procedures</li> </ul>	<ul style="list-style-type: none"> <li>● Stall Fundamentals</li> <li>● Emergency procedures</li> </ul>	<ul style="list-style-type: none"> <li>● Complete Section 2</li> <li>● Part 91 Regulations</li> </ul>
4	Flight: 1.9 Ground: .7	<ul style="list-style-type: none"> <li>● Side Slip</li> <li>● Forward Slip</li> <li>● Landing practice</li> <li>● Trouble area practice</li> <li>● Simulated Instrument (.4)</li> <li>● Spin Awareness</li> </ul>	<ul style="list-style-type: none"> <li>● Flight rules review</li> <li>● Wind and runways</li> </ul>	<ul style="list-style-type: none"> <li>● Complete Section 3</li> <li>● Part 61 Regulations</li> <li>● Study chart and legend</li> </ul>
5	Flight: 1.8 Ground: .5	<ul style="list-style-type: none"> <li>● Pattern practice</li> <li>● Landing practice</li> <li>● Towered Airport</li> </ul>	<ul style="list-style-type: none"> <li>● Review</li> <li>● Charts</li> <li>● METARs</li> </ul>	<ul style="list-style-type: none"> <li>● Section 4 (half)</li> <li>● Study notes</li> <li>● Study airspace</li> <li>● Study operating manual</li> </ul>
6	Flight: 1.8 Ground: .5	<ul style="list-style-type: none"> <li>● Pattern practice</li> <li>● Landing practice</li> <li>● Towered Airport</li> </ul>	<ul style="list-style-type: none"> <li>● Review</li> <li>● METARs</li> </ul>	<ul style="list-style-type: none"> <li>● Complete Section 4</li> <li>● Study operating manual</li> </ul>
7	Flight: .4 Solo: .4 Ground: 3	<ul style="list-style-type: none"> <li>● Pre-Solo Flight</li> <li>● <b>FIRST SOLO</b></li> </ul>	<ul style="list-style-type: none"> <li>● Weight and Balance</li> <li>● Pre-Solo Test</li> <li>● Review trouble areas</li> <li>● METARs</li> </ul>	<ul style="list-style-type: none"> <li>● Study trouble areas / missed questions</li> <li>● "Performance Charts" section 5</li> </ul>
8	Flight: 1.7 Ground: .3	<ul style="list-style-type: none"> <li>● Recap everything flight</li> <li>● Simulated Instrument (.2)</li> </ul>	<ul style="list-style-type: none"> <li>● Performance calculations</li> <li>● Review</li> </ul>	<ul style="list-style-type: none"> <li>● Section 5</li> </ul>
9	Solo: 1.0	<ul style="list-style-type: none"> <li>● SOLO landings</li> </ul>		<ul style="list-style-type: none"> <li>● Section 5</li> </ul>

10	Solo: 1.2	<ul style="list-style-type: none"> <li>• SOLO landings</li> <li>• SOLO maneuvers</li> </ul>		<ul style="list-style-type: none"> <li>• Remaining section 5</li> </ul>
11	Flight: 1.9 Ground: 1.3	<ul style="list-style-type: none"> <li>• Performance landings</li> <li>• Pattern work</li> <li>• Grass strip</li> <li>• Simulated Instrument (.4)</li> </ul>	<ul style="list-style-type: none"> <li>• Aviation Weather</li> <li>• Trouble Areas</li> </ul>	<ul style="list-style-type: none"> <li>• Review weather notes</li> </ul>
12	Flight: 2.7 Ground: 2	<ul style="list-style-type: none"> <li>• Short Cross Country</li> <li>• Pilotage</li> <li>• Dead Reckoning</li> <li>• VORs</li> <li>• Simulated Instrument (.5)</li> <li>• Lost procedures</li> <li>• Diverting</li> <li>• Flight Following</li> </ul>	<ul style="list-style-type: none"> <li>• Cross Country Planning</li> </ul>	<ul style="list-style-type: none"> <li>• Review ALL notes</li> </ul>
13	Solo: 2	<ul style="list-style-type: none"> <li>• <b>SOLO CROSS COUNTY</b></li> </ul>	<ul style="list-style-type: none"> <li>• Review flight planning</li> </ul>	<ul style="list-style-type: none"> <li>• Study for Written Test</li> </ul>
14	Flight: 2.5 Ground: 1	<ul style="list-style-type: none"> <li>• 100nm Dual Night Cross Country (through class B)</li> <li>• Simulated Instrument (1.0)</li> <li>• Pilotage</li> <li>• Dead Reckoning</li> <li>• VORs</li> <li>• Flight Following</li> </ul>	<ul style="list-style-type: none"> <li>• Flight planning</li> <li>• Assisted ground study</li> </ul>	<ul style="list-style-type: none"> <li>• Take Written Test</li> </ul>
15	Flight: 1.8 Ground: .3	<ul style="list-style-type: none"> <li>• Tower airport training</li> <li>• Night training</li> </ul>		<ul style="list-style-type: none"> <li>• Checkride Study</li> </ul>
16	Solo: 1.5	<ul style="list-style-type: none"> <li>• SOLO Towered airport</li> </ul>		<ul style="list-style-type: none"> <li>• Checkride Study</li> </ul>

17	Solo: 3	<ul style="list-style-type: none"> <li>• <b>SOLO 150nm Cross Country</b></li> </ul>		<ul style="list-style-type: none"> <li>• Checkride Study</li> </ul>
18	Flight: 2.5 Ground: 2.5 - 4	<ul style="list-style-type: none"> <li>• Maneuver practice</li> <li>• Landing practice</li> <li>• Emergency procedures</li> </ul>	<ul style="list-style-type: none"> <li>• Checkride Prep</li> </ul>	<ul style="list-style-type: none"> <li>• Checkride Study</li> </ul>
19	Solo: 3	<ul style="list-style-type: none"> <li>• SOLO Checkride practice</li> </ul>		<ul style="list-style-type: none"> <li>• Checkride Study</li> </ul>
20	Flight: 3 Ground: 3	<ul style="list-style-type: none"> <li>• Practice Checkride</li> </ul>	<ul style="list-style-type: none"> <li>• Practice Oral</li> </ul>	<ul style="list-style-type: none"> <li>• Checkride Study</li> </ul>
21	Solo: 1.5 - 3	<ul style="list-style-type: none"> <li>• FINAL SOLO PRACTICE</li> </ul>	<ul style="list-style-type: none"> <li>• Checkride Prep</li> </ul>	<ul style="list-style-type: none"> <li>• Checkride Study</li> </ul>
FINAL		<ul style="list-style-type: none"> <li>• <b>CHECKRIDE!!!</b></li> </ul>		