

## Private Pilot Ground School

### Course Schedule and Required Reading

Wednesdays, 6:30 – 9:30 pm

Classroom, Cooking Lake Aviation

*1 May to 14 August 2019*

Class	Date	Topics and Required Reading
1	May 01, 2019	Introduction, Orientation, Aviation Law <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: Chapter 5, Section A “Rules of the Air”</li> <li>• <i>Flight Training Manual</i>: Part 1, Topic 4 “Aircraft Documentation”</li> </ul>
2	May 08, 2019	Theory of Flight 1 <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: Chapter 1 “The Airplane”</li> <li>• <i>Flight Training Manual</i>: Part 1, Topic 1 “Basic Principles of Flight”</li> </ul>
3	May 15, 2019	Theory of Flight 2 <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: Chapter 2, Section A “Theoretical Applications”</li> <li>• <i>From the Ground Up</i>: Chapter 3, Section H “The Propeller”</li> <li>• <i>From the Ground Up</i>: Chapter 10, Section D “Wake Turbulence”</li> </ul>
4	May 22, 2019	Airframes and Engines <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: Chapter 3, Sections A-J “Aero Engines”</li> <li>• <i>Flight Training Manual</i>: Part 1, Topic 3 “Engine Handling”</li> </ul>
5	May 29, 2019	Flight instruments and Air Law <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: Chapter 2, Section B “Flight Instruments”</li> <li>• <i>Flight Training Manual</i>: Part 2, “Aircraft Familiarization and Preparation for Flight”</li> <li>• <i>From the Ground Up</i>: Chapter 4, Section B “The Canadian Airspace System”</li> </ul>

6	June 5, 2019	<p>Meteorology 1</p> <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: Chapter 6, Section A “The Atmosphere”</li> <li>• <i>From the Ground Up</i>: Chapter 6, Section B “Clouds”</li> <li>• <i>From the Ground Up</i>: Chapter 6, Section C “Pressure”</li> <li>• <i>From the Ground Up</i>: Chapter 6, Section D “Humidity, Temperature and Stability”</li> <li>• <i>From the Ground Up</i>: Chapter 6, Section H “Precipitation and Fog”</li> </ul>
7	June 12, 2019	<p>Meteorology 2</p> <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: Chapter 6, Section D “Winds”</li> <li>• <i>From the Ground Up</i>: Chapter 6, Section F “Air Masses”</li> <li>• <i>From the Ground Up</i>: Chapter 6, Section G “Fronts”</li> <li>• <i>From the Ground Up</i>; Chapter 6, Section I “Thunderstorms”</li> </ul>
8	June 19, 2019	<p>Meteorology 3</p> <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: Chapter 6, Section J “Icing”</li> <li>• <i>From the Ground Up</i>: Chapter 6, Section K “Turbulence”</li> <li>• <i>From the Ground Up</i>: Chapter 6, Section M “Weather Signs”</li> <li>• <i>From the Ground Up</i>: Chapter 6, Section N “Weather Information”</li> </ul>
9	June 26, 2019	<p>Meteorology 4, NOTAMS, Performance Charts</p> <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: pg. 164 “Pilot Reports (PIREPS UA)”</li> <li>• <i>From the Ground Up</i>: pg. 164 “RSC CRFI Report”</li> <li>• <i>From the Ground Up</i>: Chapter 10, Section C “Airplane Performance”</li> </ul>
10	July 3, 2019	<p>Flight Operations</p> <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: Chapter 4, Section A “Aerodromes”</li> <li>• <i>From the Ground Up</i>: Pg. 108 “Rules of Right of Way”</li> <li>• <i>From the Ground Up</i>: Pg. 108 “Fuel Requirements”</li> <li>• <i>From the Ground Up</i>: Pg. 108, 109 “Night Requirements”</li> <li>• <i>Flight Training Manual</i>: Part one, Topic 3 “Weight and Balance”</li> </ul>

11	July 10, 2019	<p>Navigation 1</p> <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: Chapter 7, Section A “Latitude and Longitude”</li> <li>• <i>From the Ground Up</i>: Chapter 7, Section B “The Earth’s Magnetism” pg.177-182</li> <li>• <i>From the Ground Up</i>: Chapter 7, Section C “Units of Speed”</li> <li>• <i>From the Ground Up</i>: Chapter 7, Section D “Aeronautical Charts” pg.185-190</li> </ul>
12	July 17, 2019	<p>Navigation 2, Radio Navigation</p> <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: Chapter 7, Section E “Navigation Problems”</li> <li>• <i>From the Ground Up</i>: Chapter 8, Section A “Radio”</li> <li>• <i>From the Ground Up</i>: Chapter 9, Section A “VHF Omnidirectional Navigation System”</li> <li>• <i>From the Ground Up</i>: Chapter 9, Section B “Radio Beacons”</li> </ul>
13	July 24, 2019	<p>Navigation 3</p> <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: pg. 186-187 “Canadian Flight Supplement”</li> <li>• <i>From the Ground Up</i>: Chapter 10, Section C “Aircraft Performance”</li> </ul>
14	July 31, 2019	<p>Navigation 4</p> <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: Section D “Aeronautical Charts” pg.191-195</li> <li>• <i>Flight Training Manual</i>: Part 2, Exercise 23 “Pilot Navigation”</li> </ul>
15	Aug.7,2017	<p>Pilot Decision Making</p> <ul style="list-style-type: none"> <li>• <i>From the Ground Up</i>: Chapter 11 “Human Factors”</li> <li>• <i>From the Ground Up</i>: Chapter 12 “Air Safety”</li> <li>• <i>Flight training Manual</i>: Part 2, Exercise 29 “Emergency Procedures”</li> </ul>
16	Aug.14, 2017	<p>Final Exam</p>