

Private Pilot Ground School

Course Schedule and Required Reading

Wednesdays, 6:30 – 9:30 pm

Classroom, Cooking Lake Aviation

Jan. 9. to Apr. 24, 2019

Class	Date	Topics and Required Reading
1	Jan.9, 2019	Introduction, Orientation, Aviation Law <ul style="list-style-type: none"> • <i>From the Ground Up</i>: Chapter 5, Section A “Rules of the Air” • <i>Flight Training Manual</i>: Part 1, Topic 4 “Aircraft Documentation”
2	Jan.16, 2019	Theory of Flight 1 <ul style="list-style-type: none"> • <i>From the Ground Up</i>: Chapter 1 “The Airplane” • <i>Flight Training Manual</i>: Part 1, Topic 1 “Basic Principles of Flight”
3	Jan.23, 2019	Theory of Flight 2 <ul style="list-style-type: none"> • <i>From the Ground Up</i>: Chapter 2, Section A “Theoretical Applications” • <i>From the Ground Up</i>: Chapter 3, Section H “The Propeller” • <i>From the Ground Up</i>: Chapter 10, Section D “Wake Turbulence”
4	Jan.30, 2019	Airframes and Engines <ul style="list-style-type: none"> • <i>From the Ground Up</i>: Chapter 3, Sections A-J “Aero Engines” • <i>Flight Training Manual</i>: Part 1, Topic 3 “Engine Handling”
5	Feb.6, 2019	Flight instruments and Air Law <ul style="list-style-type: none"> • <i>From the Ground Up</i>: Chapter 2, Section B “Flight Instruments” • <i>Flight Training Manual</i>: Part 2, “Aircraft Familiarization and Preparation for Flight” • <i>From the Ground Up</i>: Chapter 4, Section B “The Canadian Airspace System”

6	Feb.13, 2019	<p>Meteorology 1</p> <ul style="list-style-type: none"> • <i>From the Ground Up</i>: Chapter 6, Section A “The Atmosphere” • <i>From the Ground Up</i>: Chapter 6, Section B “Clouds” • <i>From the Ground Up</i>: Chapter 6, Section C “Pressure” • <i>From the Ground Up</i>: Chapter 6, Section D “Humidity, Temperature and Stability” • <i>From the Ground Up</i>: Chapter 6, Section H “Precipitation and Fog”
7	Feb.20, 2019	<p>Meteorology 2</p> <ul style="list-style-type: none"> • <i>From the Ground Up</i>: Chapter 6, Section D “Winds” • <i>From the Ground Up</i>: Chapter 6, Section F “Air Masses” • <i>From the Ground Up</i>: Chapter 6, Section G “Fronts” • <i>From the Ground Up</i>; Chapter 6, Section I “Thunderstorms”
8	Feb. 27, 2019	<p>Meteorology 3</p> <ul style="list-style-type: none"> • <i>From the Ground Up</i>: Chapter 6, Section J “Icing” • <i>From the Ground Up</i>: Chapter 6, Section K “Turbulence” • <i>From the Ground Up</i>: Chapter 6, Section M “Weather Signs” • <i>From the Ground Up</i>: Chapter 6, Section N “Weather Information”
9	Mar.6, 2019	<p>Meteorology 4, NOTAMS, Performance Charts</p> <ul style="list-style-type: none"> • <i>From the Ground Up</i>: pg. 164 “Pilot Reports (PIREPS UA)” • <i>From the Ground Up</i>: pg. 164 “RSC CRFI Report” • <i>From the Ground Up</i>: Chapter 10, Section C “Airplane Performance”
10	Mar.13, 2019	<p>Flight Operations</p> <ul style="list-style-type: none"> • <i>From the Ground Up</i>: Chapter 4, Section A “Aerodromes” • <i>From the Ground Up</i>: Pg. 108 “Rules of Right of Way” • <i>From the Ground Up</i>: Pg. 108 “Fuel Requirements” • <i>From the Ground Up</i>: Pg. 108, 109 “Night Requirements” • <i>Flight Training Manual</i>: Part one, Topic 3 “Weight and Balance”

11	Mar.20, 2019	<p>Navigation 1</p> <ul style="list-style-type: none"> • <i>From the Ground Up</i>: Chapter 7, Section A “Latitude and Longitude” • <i>From the Ground Up</i>: Chapter 7, Section B “The Earth’s Magnetism” pg.177-182 • <i>From the Ground Up</i>: Chapter 7, Section C “Units of Speed” • <i>From the Ground Up</i>: Chapter 7, Section D “Aeronautical Charts” pg.185-190
12	Mar.27, 2019	<p>Navigation 2, Radio Navigation</p> <ul style="list-style-type: none"> • <i>From the Ground Up</i>: Chapter 7, Section E “Navigation Problems” • <i>From the Ground Up</i>: Chapter 8, Section A “Radio” • <i>From the Ground Up</i>: Chapter 9, Section A “VHF Omnirange Navigation System” • <i>From the Ground Up</i>: Chapter 9, Section B “Radio Beacons”
13	Apr.03, 2019	<p>Navigation 3</p> <ul style="list-style-type: none"> • <i>From the Ground Up</i>: pg. 186-187 “Canadian Flight Supplement” • <i>From the Ground Up</i>: Chapter 10, Section C “Aircraft Performance”
14	Apr.10, 2019	<p>Navigation 4</p> <ul style="list-style-type: none"> • <i>From the Ground Up</i>: Section D “Aeronautical Charts” pg.191-195 • <i>Flight Training Manual</i>: Part 2, Exercise 23 “Pilot Navigation”
15	Apr.17, 2019	<p>Pilot Decision Making</p> <ul style="list-style-type: none"> • <i>From the Ground Up</i>: Chapter 11 “Human Factors” • <i>From the Ground Up</i>: Chapter 12 “Air Safety” • <i>Flight training Manual</i>: Part 2, Exercise 29 “Emergency Procedures”
16	Apr.24, 2019	Final Exam