

Private Pilot Ground School

Course Schedule and Required Reading

Wednesdays, 6:30 – 9:30 pm

Classroom, Cooking Lake Aviation

May 2. to Aug. 15, 2018

| Class | Date | Topics and Required Reading |
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| 1 | May 2, 2018 | 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 | May 9, 2018 | 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 | May 16, 2018 | 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 | May 23, 2018 | 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 | May 30, 2018 | 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” |

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| 6 | Jun. 6, 2018 | <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 | Jun. 13, 2018 | <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 | Jun. 20, 2018 | <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 | Jun. 27, 2018 | <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 | Jul. 4, 2018 | <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” |

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| 11 | Jul. 11, 2018 | <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 | Jul 18, 2018 | <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 | Jul. 25, 2018 | <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 | Aug. 1, 2018 | <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 | Aug. 8, 2018 | <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 | Aug 15, 2018 | Final Exam |