



Private Pilot Ground School  
 Schedule and Syllabus (Rev: 10/4/2015)  
 Chocks Away Aviation, Hebron Airport, Nebraska

Session	Date	Times	Description	References
	2016			
1	All Dates TBD	6:00pm - 8.30pm	Course Introduction Engines, Airframes and Aircraft Systems	PHBAK Ch1; PHBAK Ch2 Ch5 Ch6; GPH Ch2
2		6:00pm - 8.30pm	Flight Instruments	PHBAK Ch7; GPH Ch2
3		6:00pm - 8.30pm	Theory of Flight - Aerodynamics - 1 The Four Forces and Stability	PHBAK Ch4; GPH Ch1
4		6:00pm - 8.30pm	Theory of Flight - Aerodynamics - 2 Maneuvering Flight	PHBAK Ch4; AFM Ch3; GPH Ch1
5		6:00pm - 8.30pm	Flight Operations - 1 Flight safety Runway Incursions Airports Charts	PHBAK Ch13; AIM Ch2; AFM Ch7 PHBAK Appendix A; GPH Ch3 GPH Ch3 PHBAK Ch15; AIM Ch9; ACUG; GPH Ch9
6		6:00pm - 8.30pm	Flight Operations - 2 Airspace	PHBAK Ch14; AIM Ch3; GPH Ch3; ; GPH Ch3
7		6:00pm - 8.30pm	Communications and Flight Information	AIM Ch4; PCG
8		6:00pm - 8.30pm	Aviation Weather - Meteorology - 1 Weather theory	PHBAK Ch11; GPH Ch7
9		6:00pm - 8.30pm	Aviation Weather - Meteorology - 2 Weather Information - A	PHBAK Ch12; AW; GPH Ch7
10		6:00pm - 8.30pm	Aviation Weather - Meteorology - 3 Weather Information - B	PHBAK Ch12; AIM Ch7; AWS; GPH Ch7
11		6:00pm - 8.30pm	Airplane Performance - 1 Predicting Performance	PHBAK Ch8; PoH; GPH Ch5
12		6:00pm - 8.30pm	Airplane Performance - 2 Weight and Balance	PHBAK Ch9; WBH; GPH Ch5
13		6:00pm - 8.30pm	Airplane Performance - 3 Flight Computers and Review	PHBAK Ch15
14		6:00pm - 8.30pm	Navigation - 1 Pilotage and Dead reckoning	PHBAK Ch15; GPH Ch9
15		6:00pm - 8.30pm	Navigation - 2 Radio Navigation - VOR, ADF, GPS	PHBAK Ch15; AIM Ch1; GPH Ch9; GPH Ch10
16		6:00pm - 8.30pm	Human Factors Aviation Physiology Aeronautical Decision Making	PHBAK Ch16; AIM Ch8; GPH Ch6 PHBAK Ch17; GPH Ch6
17		6:00pm - 8.30pm	Federal Aviation Regulations	FAR/AIM; GPH Ch4
18		6:00pm - 8.30pm	Cross-Country Flight Planning (Including homework)	PHBAK Ch15; AIM 5-1-4; GPH Ch11
19		6:00pm - 8.30pm	Cross Country Planning Homework Review	Handout
20		6:00pm - 8.30pm	Review and Test Preparation	GPPWEG; GPH; PTS/ACS

Resources:

ACUG	FAA Aeronautical Chart User's Guide	GPH	Gleim Pilot Handbook
AFM	FAA Airplane Flying Handbook	GPPWEG	Gleim Private Pilot Written Exam Guide
AIM	FAA Aeronautical Information Manual	PCG	FAA Pilot/Controller Glossary
AW	FAA Aviation Weather	PHBAK	FAA Pilot's Handbook of Aeronautical Knowledge
AWS	FAA Aviation Weather Services	PoH	FAA Pilot's Operating Handbook (Airplane Specific)
FAR	Federal Aviation Regulations	SPG	FAA Student Pilot Guide