

Outline for Class 1 (09/19/09)

This is a short session due to admin time during startup. (Approximately 2.5 hours)

Introduction – 25 min		Vann	
Introduce 24 hour clock and pronunciation for times			
Explain Private Pilot Knowledge Test vs Practical Test	FAR 61.103, 61.35, 61.37		
This course prepares students for the Knowledge Test			
Category and Class for airman certification (point out how to remember)	FAR 61.5(b)		
Engines – 20 min			
4 cycles of a 4 stroke internal combustion engine	Text 2-14 thru 2-16	Bill	
Intro to carburetors	Text 2-18 thru 2-19	Bill	
Instruments – 45 min			
Introduce only “6 Pack” instruments at this time(see poster)	Text 2-47	Vann	
Pitot/Static System - Instruments	Text 2-48 thru 2-52, 2-55, 2-61	Annika	
Vacuum	Text 2-63 thru 2-64, 2-67, 2-68	Vann	
Vacuum sources	Text 2-64	Vann	
Quick tour to see different pitot, static and vacuum sources			
Aerodynamics – 40 min			
Axes of airplane	Text 3-23 thru 3-25	Sean	
Forces acting on airplane	Text 3-2, 3-3	Sean	
Induced Lift	Text 3-4 thru 3-6	Dan	
Dynamic Lift	Text 3-4 thru 3-6	Dan	
Angle of Attack	Text 3-5	Craig	
Airspace – 15 min			
Class G	Slide 2&3	AIM 3-3-1	Dan
Victor Airways (describe dimensions, then move to Class E)	See KC Sectional		Vann
Class E Intro	Slide 4,5&6	FAR 71.71, AIM 3-2-6	Vann/Dan
Speed Limit			
Below 10,000 feet MSL	FAR 91.117(a)		Vann
2 hrs 25 min + Breaks			