

# Outline for Class 1 (10/01/16)

(Phase 1 - 3 Hour Class)

Rev 01-16

Subject	Min	Reference(s)	Instructor(s)
<b>Announcements</b> Orientation, Tests, etc. Success Presentation	20		J. Bookman
<b>Airplane Major Parts</b>	10	Text 2-1 thru 2-9	Bill Jones
<b>Aerodynamics</b> Axes of the airplane Forces acting on the airplane Induced Lift - Bernoulli Principal Dynamic Lift - Newton's 3rd Law	40	Text 3-23 thru 3-25 Text 3-2, 3-3 Text 3-4, 3-6  Text 3-4, 3-6	Nicholas Kostin
<b>== BREAK ==</b>		15	
<b>Instruments</b> "6 Pack" Instruments Pitot / Static System - Instruments Vacuum Instruments Vacuum Sources	40	Text 2-47 Text 2-48 thru 2-52, 2-55, 2-61 Text 2-63, 2-64, 2-63, 2-67, 2-68 Text 2-64	Mary Massaro
<b>Engines</b> 4 Cycles of a 4 stroke internal combustion engine Introduction to carburetors	20	Text 2-14 thru 2-16 Text 2-18 thru 2-19	Bill Jones
<b>== BREAK ==</b>		15	
<b>Airspace</b> Altitude Limits Operations in Class B Airspace  Student Operations in Class B	20	Slide; Denver Sectional AIM 3-2-3a FAR 91.131(a)(1), (b)(1)(i)&(iv), (c), (d), FAR 91.215(b)(2); AIM 3-2-3(b.1-5.b&c,6); FAR 61.95	J. Bookman
<b>Navigating the FAR</b> Sections, Sub-sections & Defns Definitions - Airplane vs. Aircraft	7	FAR [1, 61, 70, 91, NTSB, TSA] FAR 1.1	J. Bookman

<b>Navigating the AIM</b> Chapters, Sections	3	AIM [1 thru 9]	J. Bookman
<b>Private Pilot Tests</b> Knowledge Test vs Practical Test - This course prepares the student for the Knowledge Test	10	FAR 61.103(a)(c)(e)(h), 61.35, 61.37, 61.39(a)	J. Bookman
<b>Airman Certification</b> Category and Class for airman (How to remember)	5	FAR 1.1, 61.5(b)	J. Bookman

**FAR/AIM Study for Class 2 Homework**

Speed Limit - Below 10,000 feet MSL FAR 91.117(a)  
 Medical Certificates FAR 61.23(a), (d)  
 Additional Training FAR 61.31(e), (f), (i)  
 Flight Review FAR 61.56(a), (c)  
 Recent Experience FAR 61.57(a), (b)

**Support Staff**