

# Outline for Class 4 (Saturday, 10/29/11)

(Phase 1 - 3 Hour Class)

Rev 06-11

FAR/AIM – 20 min			John
Change of Address	FAR 61.60		
Pilot in Command	FAR 91.103		
Seat Belts	FAR 91.107(a)		
Operating Near Other Aircraft	FAR 91.111		
Right of Way Rules	FAR 91.113		
Engines – 45 min			
Fuel Injection	Text 2-21		John
Advantages	Text 2-21		
Propellers			John
Fixed Pitch	Text 2-36, 2-37		
Constant Speed	Text 2-38		
Dual Ignition Systems	Text 2-24		Luke
Abnormal Ignition			Luke
Detonation	Text 2-25		
Pre-ignition	Text 2-26		
Instruments			
Standard Lapse Rate – 5 Min	Text 2-51		Andy
Air Speed Nomenclature – 15 min	Text 2-54, 2-55		Andy
IAS			
CAS			
TAS			
Turn Coordinator – 20 min	Text 2-65		Vann
Aerodynamics – 30 min			
Ground Effect	Text 3-18		John

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Lift to Drag Ratio and Glide Speed	Text 3-52	Benjamin
Glide Ratio	Text 3-53	Benjamin
Left Turning Tendencies	Text 3-47 thru 3-50	Vann
Airspace – 25 min		Vann
Class B (Use computer display)		
Show on chart	Denver Sectional	
Altitude Limits	AIM 3-2-3a.	
Operations in Class B Airspace	FAR 91.131(a)(1), (b)(1)(i)&(iv), (c), (d), FAR 91.215(b)(2)	
	AIM 3-2-3b.1,2,3,4,5.b&c,6	
2 hrs 40 min + Breaks		