

Outline for Class 3 (Saturday, 10/15/11)

(Phase 1 - 3 Hour Class)

Rev 06-11

FAR/AIM – 25 min		Vann
Maintenance Regulations	FAR 91.407(b), 91.409(a) (b), 91.417(a)1, (b)1, 91.421	
Pilot in Command	FAR 91.3, 91.7	Tyler
Airplane Flight Manual	FAR 91.9(a) (b), Text 2-10, 2-11	Tyler
Dropping Objects	FAR 91.15	Tyler
Engines		
Fuel/Air Mixture – 15 min	Text 2-19	Bill
Effects of changing altitude without changing mixture		
Fuel Systems – 10 min	Text 2-27, 2-28	Bill
Fuel Contaminants	Text 2-29	
Fuel Color Coding	Text 2-30	
Oil Systems – 15 min	Text 2-32, 2-33	Bill
Wet and Dry Sump		
Functions of Oil in an Aircraft Engine		
***** BREAK *****		
Engines – 10 min (from class 2)		Vann
Magneto System	Text 2-24	
“Hot Mag”		
Instruments – 20 min		
Standard Atmosphere	Text 2-49, 2-50	Sean
Air Speed Color Coding	Text 2-52, 2-53, Handout Figure 4	Sean
Vne, Vso, Vs1, Vno, Va		

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Aerodynamics

Angle of Attack (AOA) – 15 min	Text 3-6	Luke
Critical AOA	Text 3-6	
Stall Speed – does it change?	Text 2-55	

Flaps – 5 min	Text 3-12, 3-13	Luke
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***** BREAK *****

Longitudinal Stability – 15 min		Mike
Center of Gravity Effects	Text 3-25 thru 3-28	
Stabilizer/Stabilator	Text 3-29	

Lateral Stability – 15 min	Text 3-31	Mike
Dihedral	Text 3-31	

Directional Stability – 10 min	Text 3-35	Mike
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Airspace – 20 min Vann + All Instructors

Class C (Use computer display)	
Show on chart	Denver Sectional
Altitude Limits	AIM 3-2-4
Class C Outer Area	AIM 3-2-4.c.3. Note 4
Operating in Class C Airspace	AIM 3-2-4.c

2 hrs 55 min + Breaks