

Outline for Class 2 (Saturday, 10/03/09)

(Phase 1 - 3 Hour Class)

Rev 08-09

Time Zone Concept – 10 min Vann

FAR/AIM – 15 min Vann

Medical Certificates FAR 61.23 (a), (d)

Additional Training Required FAR 61.31 (e), (f), (i)

Flight Review FAR 61.56 (a), (c)

Recent Flight Experience FAR 61.57 (a), (b)

Instruments

Altimeter Setting – 10 min Text 2-55 Hank
Kollsman Window

Altitudes – 30 min Text 2-56 thru 2-58 Hank
Indicated
Calibrated
Pressure
Density
True
Absolute

***** BREAK *****

Pitot/Static Problems – 15 min Vann
Blocked Pitot System Text 2-61

Blocked Static System Text 2-63

Engines – 30 min Hank

Carburetors
Float Carburetors in more detail Text 2-18 thru 2-20

Carburetor Heat – How it works Text 2-20

Magneto System Text 2-24
“Hot Mag”

***** BREAK *****

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Aerodynamics

Control Surfaces – 20 min

Ailerons	Text 2-5	Vann
Stabilizer		Vann
Vertical	Text 2-5	
Horizontal	Text 2-5, 2-6	
Rudder	Text 2-5, 2-6	Vann
Elevator	Text 2-5, 2-6	Vann

Airfoil Issues – 20 min

Camber	Text 3-5, 3-7	Vann
Angle of Incidence	Text 3-10	
Angle of Attack	Text 3-5	
Stalls	Text 3-6	
Methods of stalling inboard of wing first	Text 3-10, 3-11	

Drag – 10 min

Parasitic	Text 3-14 thru 3-17	Vann
Induced		

Airspace – 15 min

Class E (Use computer display)	FAR 71.71, AIM 3-2-6	Dan/Vann
Transition Area	Show on Denver Sectional	
Class E to the ground	Show on Denver Sectional	
Class D (Use computer display)		
Show on chart	Denver Sectional	
Altitude Limits	AIM 3-2-5	
Operations in Class D Airspace	FAR 91.129, AIM 3-2-5	

2 hrs 55 min + Breaks