

# Outline for Class 7 (MODIFIED) (Saturday, 01/02/10)

(Phase 2 - 3 Hour Class)

Rev 16-09

## FAR/AIM – 20 min

Requirement for Certificates	FAR 61.3 (a) (b)	Vann	
Private Pilot Privileges	FAR 61.113	Vann	
VFR Cruising Altitudes	FAR 91.159 (a)	Vann	
Aircraft Certifications Required	FAR 91.203 (a) (b)	Vann	

## Communications

Airport Traffic Patterns – 30 min	FAR 91.126 (b), AIM 4-3-3, AIM Fig 4-3-2 & 4-3-3	Bill (Annika)	50
Nomenclature of Various Segments			
Towered Airports – 15 min	DVD Video for all below items	Bill	65
ATIS	Already done in Class 5		
Ground Control	Text 5-27		
Control Tower	Text 5-27		
Departure Control	Text 5-28		
Approach Control	Text 5-28		
Clearance Delivery	Text 5-26		

\*\*\*\*\* BREAK \*\*\*\*\* 65 min

## Weather – 40 min

Air Masses	Text 6-28	Hank	1: 45
Sources			
Classifications			
Fronts	Text 6-30 thru 6-34		
Warm			
Cold			
Stationary			
Occluded			

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\*\*\*\*\* BREAK \*\*\*\*\* 1 hr 45 min

Airplane Performance – 45 min			2:30
Climb Speeds	Text 8-16 thru 8-17		
Best Angle of Climb Speed Vx		Vann (Craig)	
Best Rate of Climb Speed Vy		Vann (Craig)	
Cruise Climb Speed		Vann	
Vx versus Vy Chart	Text 8-17, Handout	Vann (Dan)	
Absolute Ceiling			
Service Ceiling			
Cruise Performance Charts	Text 8-22, Fig 36 (Test Booklet)	Bill	
Airspace – 15 min		Dan	2:45
Class D and Class C (Use computer display)			
Show on chart	Denver Sectional		
Visibility Limits and Cloud Clearance	FAR 91.155, AIM Table 3-1-1		
Special VFR	FAR 91.157, AIM 4-4-6		

2 hr 45 min + breaks