

# Outline for Class 7 (Saturday, 01/07/2012)

(Phase 2 - 3 Hour Class)

Rev 04-11

## FAR/AIM – 20 min

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

## Communications

Airport Traffic Patterns – 15 min	FAR 91.126 (b), AIM 4-3-3, AIM Fig 4-3-2 & 4-3-3	Benjamin
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### Nomenclature of Various Segments

Towered Airports – 30 min	DVD Video for all below items	John
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 \*\*\*\*\*

## Weather – 50 min

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

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## Airplane Performance – 45 min

Climb Speeds	Text 8-16 thru 8-17	
Best Angle of Climb Speed Vx		Dylan
Best Rate of Climb Speed Vy		Dylan
Cruise Climb Speed		Dylan
Vx versus Vy Chart	Text 8-17, Handout	Vann
Absolute Ceiling		
Service Ceiling		
Cruise Performance Charts	Text 8-22, Fig 36 (Test Booklet)	Bill

## Airspace – 15 min

Class D and Class C (Use computer display)		Student Inst
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 55 min + breaks