

# Outline for Class 3 (10/29/16)

(Phase 1 - 3 Hour Class)

Rev 01-16

Subject	Min	Reference(s)	Instructor(s)
<b>== Test on Class 2 ==</b>		30	
<b>Announcements</b>	10		
<b>Engines</b> Fuel / Air Mixture Effect of changing altitude	15	Text 2-19	Bill Clothier
Fuel Systems Fuel Contaminants Fuel Color Coding	10	Text 2-27, 2-28 Text 2-29 Text 2-30	Bill Clothier
Oil Systems Wet and Dry Sumps Functions of oil	15	Text 2-32, 2-33	Bill Clothier
Magneto Systems "Hot Mag"	15	Text 2-24	Nathan Hawkins
<b>== BREAK ==</b>		15	
<b>Aerodynamics</b> Angle of Attack (AOA) Critical AOA Stalls Stall Speed - change with Altitude Stall inboard wing first Flaps	25	Text 3-6  Text 3-6 Text 2-55  Text 3-10, 3-11 Text 3-12, 3-13	J. Bookman
<b>Aerodynamics - cont'd</b> Longitudinal Stability Center of Gravity Effects Stabilizer / Stabilator Lateral Stability Dihedral Angle Directional Stability	15  10 10	Text 3-25 thru 3-28 Text 3-29  Text 3-31 Text 3-35	Nathan Hawkins
<b>== BREAK ==</b>		15	
<b>Instruments</b> Standard Atmosphere Air Speed Color Coding Vne, Vso, Vs1, Vno, Va	20	Text 2-49, 2-50 Text 2-52, 2-53, KTS Fig 4	Tucker Balman
<b>Airspace</b> Class D Altitude Limits Operations Class E Transition Area Class E to the Ground	20	Slide display; Denver Sectional AIM 3-2-5 FAR 91.129, AIM 3-2-5 FAR 71.71, 91.127; AIM 3-2-6 Denver Sectional Denver Sectional	J. Bookman

**FAR/AIM Study for Class 4 Homework**

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

**Support Staff**

Mary Massaro