

Outline for Class 3 (10/28/17)

(Phase 1 - 3 Hour Class)

Rev 2-2017

Subject	Time/Min	Reference(s)	Instructor(s)
== Test on Class 2 ==	8:30 (30)	Text Book	
Announcements	9:00 (10)	Jeppesen Online	
Engines Fuel / Air Mixture Effect of changing altitude	9:10 (15)	Text 2-19 Jeppesen 02 Airplane Systems GL05 Fuel Systems	Bill Clothier
Fuel Systems Fuel Contaminants Fuel Color Coding	9:25 (10)	Text 2-27, 2-28 Text 2-29 Text 2-30	Bill Clothier
Oil Systems Wet and Dry Sumps Functions of oil	9:35 (15)	Text 2-32, 2-33 Jeppesen 02 Airplane Systems GL05 Oil Systems	Bill Clothier
Magneto Systems "Hot Mag"	9:50 (10)	Text 2-24 Jeppesen 02 Airplane Systems GL05 Ignition System	Bill Clothier
== BREAK ==	10:00 (15)		
Aerodynamics • Angle of Attack (AOA) • Critical AOA • Stalls • Stall Speed - change with Altitude • Stall inboard wing first Flaps	10:15 (20)	Text 3-6 Text 3-6 Text 2-55 Text 3-10, 3-11 Text 3-12 Text 3-13 Jeppesen 03 Aerodynamic Principles GL08 Stalls	

Aerodynamics - cont'd Longitudinal Stability <ul style="list-style-type: none"> Center of Gravity Effects Stabilizer / Stabilator Lateral Stability <ul style="list-style-type: none"> Dihedral Angle Directional Stability	10:35 (15) 10:50 (15) 11:05 (10)	Text 3-25 thru 3-28 Text 3-29 Text 3-31 Text 3-35 Jeppesen 03 Aerodynamic Principles GL08 Longitudinal Stability Lateral Stability Directional Stability	
== BREAK ==	11:15 (15)		
Instruments Standard Atmosphere Air Speed Color Coding Vne, Vso, Vs1, Vno, Va	11:30 (20)	Text 2-49, 2-50 Text 2-52, 2-53, KTS Fig 4 Jeppesen 02 Airplane Systems GL06 Effects of Atmospheric Conditions Airspeed Indicator	
Airspace Class D <ul style="list-style-type: none"> Altitude Limits Operations Class E Transition Area Class E to the Ground Class Dismissed	11:50 (20) 12:15	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	

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