

Outline for Class 4 (11/12/16)

(Phase 1 - 3 Hour Class)

Rev 01-16

| Subject | Min | Reference(s) | Instructor(s) |
|------------------------------|-----|--------------------------|-----------------|
| == Test on Class 3 == | | 30 | |
| Announcements | 10 | | |
| Aerodynamics | | | |
| Drag - Parasitic / Induced | 25 | Text 3-14 thru 3-17 | Nicholas Kostin |
| Ground Effect | | Text 3-18 | |
| Glide Speed | 10 | Text 3-52 | Shelby Johnson |
| Glide Speed Ratio | | Text 3-53 | |
| Left Turning Tendencies | 15 | Text 3-47 thru 3-50 | Shelby Johnson |
| == BREAK == | | 15 | |
| Engines | 45 | | John Maier |
| Fuel Injection | | Text 2-21 | |
| Advantages | | | |
| Propellers | | | |
| Fixed Pitch | | Text 2-36, 2-37 | |
| Constant Speed | | Text 2-38 | |
| Ignition Systems - | | | |
| Dual | | Text 2-24 | |
| Detonation | | Text 2-25 | |
| Pre-ignition | | Text 2-26 | |
| Instruments | | | Mary Massaro |
| Standard Lapse Rate | 5 | Text 2-51 | |
| Air Speed Nomenclature | 15 | Text 2-54, 2-55 | |
| IAS, CAS, TAS | | | |
| Turn Coordinator | 20 | Text 2-65 | |
| == BREAK == | | 15 | |
| Airspace | 20 | | J. Bookman |
| Class G | | AIM 3-3-1 | |
| Victor Airway Dimensions | | Slides 2 & 3; AIM 3-3-1; | |
| Class E | | FAR 91.126 | |
| | | Denver Sectional | |
| | | Slides 4 thru 7; FAR | |
| | | 71.71, | |
| | | AIM 3-2-6 | |

FAR/AIM Study for Class 5 Homework

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|------------------------|------------------------|
| Minimum Safe Altitudes | FAR 91.119 (a) (b) (c) |
| Altimeter Settings | FAR 91.121 (a) |
| ATC Instructions | FAR 91.123 |
| FAR Chapters | FARs 1, 60, 70, 90 |

Support Staff