

## Outline for Class 2 (10/15/16)

(Phase 1 - 3 Hour Class) Rev 01-16

| Subject  | Min | Reference(s)   | Instructor(s)  |
|--|-----|--|----------------|
| <b>== Test on Class 1 ==</b>   |     | 30   |                |
| <b>Announcements</b>   | 10  |  |                |
| <b>Aerodynamics - Airfoil Issues (definitions)</b><br>Camber<br>Angle of Incidence<br>Angle of Attack        | 15  | Text 3-5, 3-7<br>Text 3-10<br>Text 3-5, 3-6, 3-11  |                |
| <b>Aerodynamics - Control Surfaces</b><br>Ailerons<br>Stabilizer Vertical / Horizontal<br>Rudder<br>Elevator | 20  | Text 2-5 thru 2-6  | Grace Durbin   |
| <b>Instruments</b><br>Altimeter - Kohlsman Window  | 10  | Text 2-55  | J. Bookman     |
| <b>== BREAK ==</b>   |     | 15   |                |
| <b>Altitudes</b><br>Indicated, Calibrated, Pressure, Density, True, Absolute                                 | 30  | Text 2-56 thru 2-58  |                |
| <b>Pitot / Static Problems</b><br>Blocked Pitot System<br>Blocked Static System                              | 15  | Text 2-61<br>Text 2-63   | Shelby Johnson |
| <b>Engines</b><br>Carburetors in Detail<br>Carburetor Heat<br>Magneto System                                 | 30  | Text 2-18 thru 2-20<br>Text 2-20<br>Text 2-24  | Nathan Hawkins |
| <b>== BREAK ==</b>   |     | 15   |                |
| <b>Time Concepts</b><br>24 Hour Clock<br>Time Pronunciations<br>Time Zone Concept                            | 20  | PowerPoint Handout   | Mark Gabriel   |
| <b>Airspace - Class C</b><br>Altitude Limits<br>Outer Area<br>Operating in Class C Airspace                  | 20  | Slide Display; Denver Sectional<br>AIM 3-2-4<br>AIM 3-2-4.c.3. Note 4<br>AIM 3-2-4.c; FAR 91.130 | J. Bookman     |

### FAR/AIM Study for Class 3 Homework

Maintenance Regulations  
Maintenance Authorization & Approval  
Pilot in Command

FAR 91.407(b), 91.409(a) (b), 91.417(a)1, (b)1, 91.421  
FAR 43.3, FAR 43.5  
FAR 91.3, 91.7

Airplane Flight Manual  
Dropping Objects

**Support Staff**

FAR 91.9(a) (b), Text 2-10, 2-11  
FAR 91.15