**Mr. Richey**

**Aero 4, Spring 2013**

**Assignment and Exam Schedule**

*Note: block tests will be given. Each test will include material covered between the prior test and the current material covered, and may also include several “review questions” from prior assignments. A comprehensive final exam is scheduled for* ***May 13****. Quizzes may be given at any time. Quiz and test questions will be selected from the reading assignments, lecture material, lab job sheets ,FAA “8080” questions, and work sheets.*

Week Reading Assignments & Exam Information

 *(AST D)* ***Basic Sheet Metal Structures***

**Jan 7**  Read: Jep. Airframe pgs. 2-1 thru 2-15 Structural Stresses and Materials

**Jan 14** Jep. Airframe pgs. 2-19 thru 2-32 Fabrication Tools

**Jan 22**  Jep. Airframe pgs. 2-32 thru 2-38 Forming Tools

**Jan 28**  Jep. Airframe pgs. 2-38 thru 2- 47 Structural Fasteners

**Feb 4**  Jep. Airframe pgs. 2-47 thru 2- 53 Special Fasteners

*(AST D)* ***Non-Metallic Structures***

**Feb 11**  Read: Jep. Airframe pgs. 3-25 thru 3-31 Composite Structures- Materials

**Feb 19** Jep. Airframe pgs. 3-32 thru 3-40 Pre-Impregnated Materials

**Feb 25** Jep. Airframe pgs. 3-41 thru 3-43 Manufacturing Processes

 AC 43.13-1B pgs 3-1 thru 3-8 General Repair Information

 *(AST D)* ***Advanced Sheet Metal Structures***

**March 4** Review: Jep. Airframe pgs. 2-1 thru 2-53 Metal Aircraft Construction

 Read: AC 43.13-1B chapter 4-57a-d, 58 General Repair Information

**March 11** Jep. Airframe pgs. 2-57 thru 2-68 Composite Inspection

**March 18** Jep. Airframe pgs. 2-69 thru 2-76 Composite Inspection

**April 1** Jep. Airframe pgs. 2-76 thru 3-90 Layout and Forming

**April 8** Jep. Airframe pgs. 2-95 thru 2-109 Inspection and Repair

 AC 43.13-1B para. 4-37,38,50-54 Repair Types, Repair To A Given

Strength

 AC43.13-1B para. 4-58,59,60,61 Sheet Metal Repairs

 *(AST D)* ***Advanced Non-Metallic (Composite) Structures***

**April 5** Review:Jep. Airframe pgs. 3-25 thru 3-43 Composite Structures

 Read: Jep. Airframe pgs. 3-45 thru 3-49 Machining Composites

**April 22** Jep. Airframe pgs. 3-49 thru 3-60 Composite Repair

**April 29** Read: Jep. Airframe pgs. 3-60 thru 3-65 Potted Repairs

Review: Jep. General pgs. 7-22 thru 7-24 Plastics, Resin

**May 6** Read: Jep. Airframe pgs. 3-74 thru3-79 Transparent Plastics

AC 43.13-1B pgs. 3-18 thru 3-25 Transparent Plastics