

**Experimental Light Sport Aircraft
Inspection Courses
Dates TBD
Fall 2010**

**Location: Lynchburg Regional Airport
Lynchburg, Virginia
Virginia Aviation's Maintenance School,
Hangar 5**

Virginia Aviation, supported by Precision Windsports (both of Lynchburg, Virginia), has begun offering quarterly experimental light-sport aircraft (E-LSA) inspection courses for weight-shift control aircraft.

This course provides required training for those who own (or plan to own) E-LSA weight-shift control aircraft to be eligible for the FAA light-sport repairman certificate with inspection rating. This certificate authorizes owners to perform their own annual inspections.

The course contents include: regulations, resources, tools, inspection procedures, personal safety, weight-shift aerodynamics, aircraft systems, and inspection log entries.

Practical exercises will be included in this training to reinforce course material. Our instructors are highly trained in their field of aviation.

Sign Up: To have your name added to the sign-up list contact Terri below.

CONTACT INFORMATION:

Terri Sipantzi at Terri@Precisionwindsports.com
Bob Howell at BobH@virginiaaviation.com
Donna Gaudet at DonnaG@virginiaaviation.com
for administrative information

COURSE COST: \$375

Payment must be received at least two weeks prior to start of class to hold your reservation. Go to Virginia Aviation's LSA Link for the registration form (www.virginiaaviation.com).

METHOD OF PAYMENT: Check or any major credit card.

ACCOMMODATIONS: Overnight accommodations can be made on your own or by calling the Front Desk at Virginia Aviation (434-237-8420) and ask for information on our company rates to make a selection on a wide variety of hotels within a short distance to the airport.

RESTAURANTS: Lynchburg also has a wide variety of dining choices that are conveniently located.

Virginia Aviation, located at Lynchburg Regional Airport, is a full service FBO and can accommodate your stay whether you are driving or flying to the area.



Phone: (434) 237-8420/(800) 543-6845

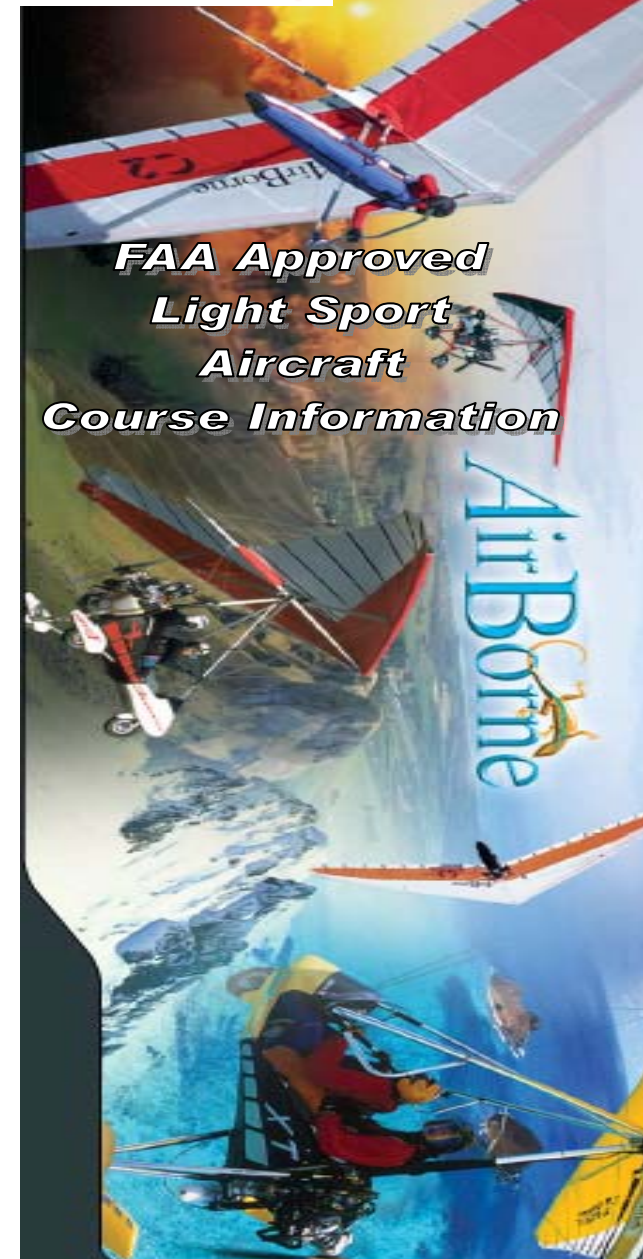
Fax: (434) 237-6715

Visit us at <http://www.virginiaaviation.com>

Link: E-LSA Course

www.PrecisionWindsports.com

info@precisionwindsports.com



**FAA Approved
Light Sport
Aircraft
Course Information**

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LSA Inspection Rating Course Outline

| <u>Course</u> | <u>Hours</u> |
|--|--------------|
| Course Goals and Limitations | 0.25 |
| Syllabus | 0.25 |
| Review of LSA Regulations | 1.00 |
| History and Transition | |
| Operating Limitations | |
| FARs affected by the Light Sport | |
| Pilot Rule | |
| Maintenance regulations of Part 43 | |
| Operations/equipment requirements | |
| Of Part 91 | |
| Preparation for the Inspection | 0.75 |
| Information | |
| AD's | |
| Safety Directives | |
| Consensus Standards | |
| Manufacturers' Manuals | |
| AC's | |
| Checklists (sources and use) | |
| Tools | 0.25 |
| Records | 0.25 |
| Personal Protection & Safety | 0.25 |
| Theoretical Understanding of Stress, | 1.00 |
| Strain and Fatigue | |
| Stresses and Stress Risers | |
| Strain, Elastic Limit, and Permanent | |
| Deformation | |
| Fatigue Loading and Cumulative Damage | |
| Corrosion and its relationship to Stress | |
| Weight Shift Aerodynamics | 0.50 |
| Operating stresses and stress locations | |
| Of weight shift LSAs | |
| The Inspection | |
| Torque, generally | 0.50 |
| Measurement of torque | |
| Safety fasteners | |
| Airframe | 3.00 |
| Powerplant | 3.00 |
| Propeller | 0.50 |
| The logbook entry for Condition | |
| Inspection | 0.50 |

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Course Outline Continued...

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|----------------------------|------|
| Course Evaluation | 0.25 |
| Final Examination | |
| Review and question period | 1.00 |
| Examination | 1.50 |
| Discussion of exam | 1.25 |

NEXT LSA CLASS
March 10 - 11, 2007
(Saturday and Sunday)

Directions to Virginia Aviation's
Maintenance School, Hangar #5
Rt. 460 to Airport Road Exit - Go East and at
T intersection turn right (by Airport Tower)
and go to end of Hangar Road to Hangar 5,
which is a "U" access road.

