



Sanford-Lee County Airport
702 Rod Sullivan Road
Sanford, North Carolina 27330
(919) 776-2003
www.wingsofcarolina.org

Private Pilot Ground School Information and Required Books and Supplies

If you would like to prepare for the FAA knowledge examination for your private pilot certificate, plan on attending the flying club's Private Pilot ground school. Or, if you do not necessarily plan to obtain your pilot's license, this course should prove to be interesting and informative for all aviation enthusiasts.

The club recommends this course for all student pilots. It is a 45-hour course providing the fundamental knowledge needed to be a proficient pilot in today's aviation environment. This course goes well beyond the material presented on commercially available videos and is completely different than the weekend "cram courses" in both scope and depth. This course is focused on thorough understanding of theory, safety, and procedure involved in being a pilot and is decidedly not aimed at simply "passing the test". There should be ample opportunity for questions and answers and to have meaningful interactions with the instructor and other students in the class. This course has proved to be a lively and enjoyable experience for all. Some of the subjects to be covered will be:

- Aerodynamics
- Flight instrumentation
- Powerplant operations and Indications
- Aviation Safety
- Weather Theory/Weather Planning and Local Interpretation FAA/NWS Weather Deciphering -- Forecasts, Reports, Prognostics Federal Aviation Regulations
- Airman's Information Manual and other Publications
- Medical Factors for Pilots
- Flight Planning and Navigation (including Radio Navigation)
- Air Traffic Control Procedures/Communications Radio Use

This course is offered three times per year at the Club. The fall session begins in late August or early September and is taught on Wednesday evenings for 15 weeks into December. The spring session is also held on Wednesday evenings and runs from January into April, while the summer session is held on Monday and Thursday evenings and spans 8 weeks from late May into July. All ground schools are conducted in the Club's air-conditioned classroom overlooking the approach end of Runway 3 at the Raleigh Executive Airport in Sanford, North Carolina. Please see the Club website for full details as to dates and cost expectations.

Pre-registration is not necessary. Simply show up at the first class and we will be happy to greet you. For Books and Supplies information see the following page below.

Please contact the WCFC Ground Instructor groundschool@wingsofcarolina.org if you have any questions regarding this ground school.



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Books and Supplies for Private Pilot Ground School

The following are the books and supplies required for the WCFC Private Pilot Ground School course. They may be purchased from the Wings of Carolina Flying Club at wholesale pricing (less expensive than ordering on the internet.)

For courses held in the classroom at the Club facility at the airport, all books and supplies will be available at the first two classes and may be purchased at that time. For courses that are conducted online, you may make arrangements to go to the Club to pick up your books and supplies at any time the Club Bookkeeper or Supplies Key Volunteer is available to meet you at the airport. (See the "Contacts" page for contact information to confirm the pick-up of supplies.)

Textbook: Guided Flight Discovery - Private Pilot, Jeppesen (latest edition)

Study Guide: Private Pilot Test Prep, ASA (latest annual edition)

Regulations: FAR/AIM, ASA (latest annual edition)

Weather Theory: Aviation Weather, FAA AC 00-6B, ASA reprint (latest edition)

Weather Services: Aviation Weather Services, FAA AC 45H, ASA reprint (latest edition)

Course Plotter: Standard 13-inch Course Plotter, NPR NP-13 or similar

Flight Computer: Standard full size aluminum E6-B computer, ASA or similar