



**“The Landing Doctor”.com**  
**SPORT PILOT TRAINING SYLLABUS R5 9/15**

**LESSON 9:** Normal take offs and landings. This lesson should be scheduled at 7am to increase the chances of light winds and very successful landings. Supervised solo.

**TIME:** 4 hours of solo flights

**OBJECTIVE:** To have the student comfortable making normal takeoffs and landings. During this lesson student will earn his Brisell “Art of Defying Gravity” challenge coin by completing the following exercise: The student will be asked to land within 400 feet of the desired touch down spot on the back of the main landing gear, on the centerline, with no side drift, then proceed 300 feet down the runway with the nose just slightly off the ground, and go-around without letting the nose get too high and accelerating to  $V_y$ , best rate of climb speed of 65KIAS within ground effect. This must be accomplished on a day with a minimum of 6 knots direct crosswind of 12 knots of wind thirty degrees off the nose.



**Review lesson items:** Traffic pattern and radio communications.  
**COMPLETION STANDARDS:** The lesson is completed when the student completes 4 hours of solo flights, understands the crosswind component at 30 degrees off the nose is always one half of the wind velocity. The student will earn his/her challenge coin by landing within 400 feet of the desired touchdown spot, on the mains, on the centerline, with no side drift, then travel 300 feet down the runway with the nose just slightly off the runway and perform a go-around without letting the nose get too high. The student will remain in ground effect while accelerating to  $V_y$ , the best rate of climb of 65KIAS.