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## SPORT PILOT TRAINING SYLLABUS R5 9/15

**LESSON 10:** Short and soft field takeoffs and landings.

Introduction to Cross Country Flight and steep turns.

**TIME:** 2 hour ground instruction and 2 hours flight instruction

**OBJECTIVE:** To have the student competent in planning a cross country flight including airspace education and be able to make a 360 degree turn with a 45 degree bank.

**HOME STUDY:** Pilot’s Handbook of Aeronautical Knowledge (PHAK) Chapters 11, 12, 14 AFH Chapter 16 GPS operations

New lesson items: **Obtaining weather briefings from FSS 800-992-7433, fore flight, noaa weather.gov. Airspace review, pilotage, dead reckoning, emergencies such as loss of oil pressure, high oil temperatures, electric failures, engine failure, and lost procedures.**

Use of GPS for cross county application including prohibited airspace avoidance.

**COMPLETION STANDARDS:** The lesson will have been successfully completed when the student can show he/she understands how to get a proper weather briefing, plan a flight including a diversion to an alternate airport, in route off-course corrections, and handle various emergency situations including lost radio communication procedures. The steep turn will be 360 degrees with a 45 degree bank and the student must maintain altitude +/- 100 feet of entry altitude, airspeed +/- 10 kts, bank +/- 5 degrees, and roll out within 10 degrees of entry heading.