



aero enterprises

realize your full potential as a pilot

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Stall/Spin Recovery Syllabus

Lesson 1

Ground: Review of basic aerodynamics including minimum controllable airspeed, critical angle of attack, stall, spin phases, pro-spin forces and control inputs, anti-spin forces and control inputs. Aircraft familiarization including egress procedure and parachute usage.

- Flight:
1. Aileron/rudder (“Dutch roll”) exercise
 2. Flight at minimum controllable airspeed
 3. Stalls: power-off, power-on, accelerated, and secondary
 4. “Falling Leaf” exercise
 5. Full control slips with stall
 6. Introduction to one-spin entry and recovery

Lesson 2

Ground: Review spin entry and exit procedures, discuss scenario-based spin entry.

- Flight:
1. One-turn, upright spin entry and recovery review
 2. Two-turn, upright spin entry and recovery
 3. Scenario-based spin entry:
 - a. Base-to-final turn (skidding)
 - b. Slipping flight and spins
 - c. Stretching the glide
 - d. Go-around

Lesson 3

Ground: Review upright spin entry and recovery procedures. Inverted spin entry and recovery pro-inverted spin forces and inverted pro-spin control inputs, anti-inverted spin forces and anti-inverted control inputs. Introduction to loop and aileron roll including control inputs, sight pictures, common mistakes, and recovery procedures.

- Flight:
1. Spin review, one- and two-turn spin entry and recovery
 2. 5-turn spin entry and recovery
 3. Inverted spin entry and recovery
 4. Loops, aileron rolls as time permits