THRUST FLIGHT
Elevate Your Experience

Power Off Stall:

(Approach to Landing Stall)
Select your heading and altitude

Verbalize
Bug it

Clearing turns (90° each way; be precise)
Throttle 3400 rpm
Pitch nose to maintain alt (check heading)
Verify N_{FE} (75 knots or less)
First notch flaps
Right rudder (check heading, inclinometer)
Full flaps
Power to idle
Initiate descent
Flare to land
Hold until stall

Recovery:

Full power
Relax back pressure
Flaps to ½
Pitch to V_X (56 kts)
Flaps to 0°
Maintain V_X to 3000 ft

Power On Stall:

(Departure Stall)
Select your heading and altitude

Verbalize
Bug it

Clearing turn (90° each way; be precise)
Power to idle
Slow to 55 kts (maintain heading & altitude)
Full power (maintain heading & altitude)
Increase pitch to stall (increase right rudder)

Recovery:

Decrease back pressure to break stall
Pitch to V_X (56 kts)
Resume climb

3 Reasons for More Right Rudder

High pitch attitude
Low airspeed
High power setting

Slow Flight:

Select your heading and altitude

Verbalize
Bug it

Clearing turns (90° each way; be precise)
Throttle 3400 rpm
Pitch nose to maintain alt (check heading)
Verify N_{FE} (75 knots or less)
First notch flaps
Slight power increase(appox. 200 rpm)
Right rudder (check heading, inclinometer)
Full flaps
Slow to 40 kts (+5, -0 kts, ±10° heading)
Power for Altitude
Pitch for Speed

Steep Turns:

Select your heading and altitude

Verbalize
Bug it

Clearing turn (90° be precise)
Power to 4500 rpm
Maintain V_A (88 kts (±5 kts))
Simultaneously roll in, power to 4700-4800 rpm

If high, overbank to 50°
If low, decrease bank to 40°

Roll out briskly 15° prior to heading
Bring power back to 4500 rpm

Accelerated Stall:

Select your altitude & Verbalize
Clearing turns (90° each way; be precise)
Throttle ~3000 rpm
Pitch nose to maintain alt
Slow to 70 knots or less
Bank to 45 degrees
Abruptly pull back on the elevator
Correct for overbanking tendency (apply opposite aileron as needed)
Hold until 1st indication of stall

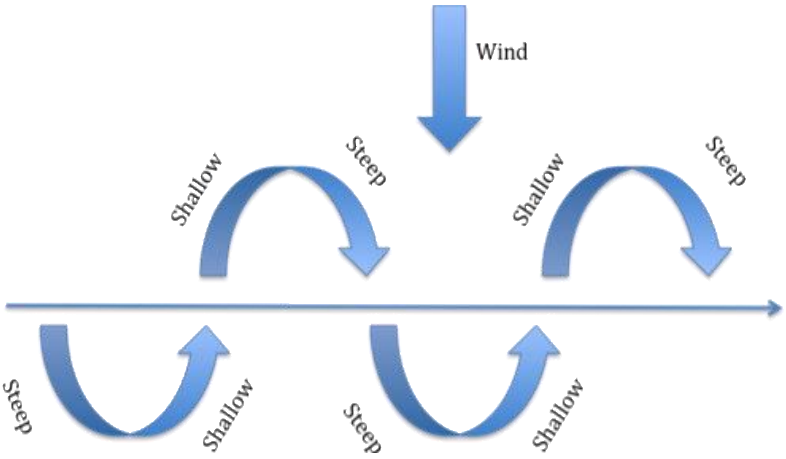
Recovery:

Relax back pressure and simultaneously level wings
Full power

S-Turns Across a Road:

Power to 4500 rpm
Airspeed to 88 kts
Altitude 800 ft. AGL (PTS: 600-1000 ft AGL)
Verbalize selected altitude
Select a ground reference 90° to the wind
Enter downwind (with the wind)
During maneuvering:

Maintain altitude ±100 ft
Maintain airspeed ±5 kts
Maintain direction ±10°

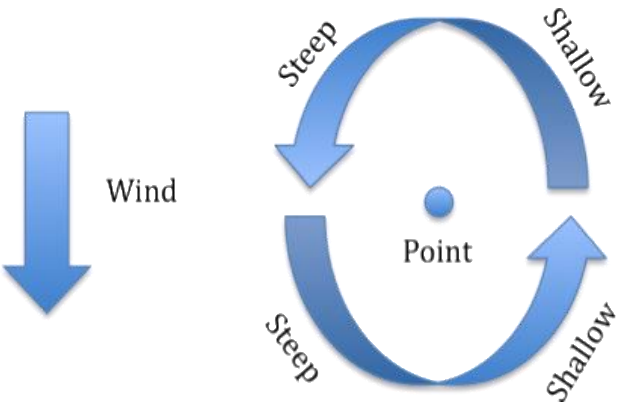


Downwind turns are steeper.
Upwind turns are shallower.

Turns Around a Point:

Power to 4500 rpm
Airspeed to 88 kts
Altitude 800 ft. AGL (PTS: 600-1000 ft AGL)
Verbalize selected altitude
Enter downwind
During maneuvering:

Maintain altitude ±100 ft
Maintain airspeed ±5 kts
Maintain direction ±10°



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