

## Pattern Operations

### Entry

1. Complete before landing checklist prior to turning downwind (power set 2100 rpm; flaps 10°).
2. Enter at 45° to the downwind at a point abeam of midpoint of runway in use unless directed otherwise by ATC.

### Downwind Leg:

1. Maintain ground track parallel to and approximately 1/2 to 1 mile from landing runway.
2. Maintain traffic pattern altitude (+/- 100 ft).
3. Complete Before Landing Checklist no later than abeam touchdown point on runway when entering downwind leg from crosswind leg.
4. Abeam intended point of touchdown, reduce power to 1500 rpm, maintain altitude with pitch control, and reduce airspeed.
  - C-152 70 KIAS
  - C-172 80 KIAS
5. Turn base when intended point of touchdown is approximately 45° behind wing. (DO NOT TURN BASE UNTIL CLEARED OR SEQUENCED FOR LANDING).

### Base Leg:

1. Maintain constant airspeed during turn to base leg.
  - C-152 70 KIAS
  - C-172 80 KIAS
2. Maintain ground track perpendicular to extended centerline of runway.
3. Extend flaps 20°, if airspeed and altitude permit.
4. Reduce airspeed.
  - C-152 60 KIAS
  - C-172 70 KIAS
5. Turn final with 20° to 30° angle of bank so as to roll out on extended centerline of runway at least 1/4 mile from approach end of runway.

### Final Approach Leg:

1. Maintain ground track over extended centerline of runway.
2. Extend flaps 30° when assured of landing unless winds preclude full flaps.
3. Reduce airspeed as appropriate for type of landing and approach.
4. Adjust pitch and power as necessary to maintain airspeed and descent angle.
  - C-152 55 KIAS
  - C-172 65 KIAS
5. Complete landing - hold the nose wheel off.
6. Exit runway at next taxiway or as directed, if full stop, clear runway, stop airplane, complete after landing checklist, and contact ground control.

