

- (xiv) Multiengine operations; and
- (xv) Postflight procedures.
- (3) For a rotorcraft category rating with a helicopter class rating:
 - (i) Fundamentals of instructing;
 - (ii) Technical subject areas;
 - (iii) Preflight preparation;
 - (iv) Preflight lesson on a maneuver to be performed in flight;
 - (v) Preflight procedures;
 - (vi) Airport and heliport operations;
 - (vii) Hovering maneuvers;
 - (viii) Takeoffs, landings, and go-arounds;
 - (ix) Fundamentals of flight;
 - (x) Performance maneuvers;
 - (xi) Emergency operations;
 - (xii) Special operations; and
 - (xiii) Postflight procedures.
- (4) For a rotorcraft category rating with a gyroplane class rating:
 - (i) Fundamentals of instructing;
 - (ii) Technical subject areas;
 - (iii) Preflight preparation;
 - (iv) Preflight lesson on a maneuver to be performed in flight;
 - (v) Preflight procedures;
 - (vi) Airport operations;
 - (vii) Takeoffs, landings, and go-arounds;
 - (viii) Fundamentals of flight;
 - (ix) Performance maneuvers;
 - (x) Flight at slow airspeeds;
 - (xi) Ground reference maneuvers;
 - (xii) Emergency operations; and
 - (xiii) Postflight procedures.
- (5) For a powered-lift category rating:
 - (i) Fundamentals of instructing;
 - (ii) Technical subject areas;
 - (iii) Preflight preparation;
 - (iv) Preflight lesson on a maneuver to be performed in flight;
 - (v) Preflight procedures;
 - (vi) Airport and heliport operations;
 - (vii) Hovering maneuvers;
 - (viii) Takeoffs, landings, and go-arounds;
 - (ix) Fundamentals of flight;
 - (x) Performance maneuvers;
 - (xi) Ground reference maneuvers;
 - (xii) Slow flight and stalls;
 - (xiii) Basic instrument maneuvers;
 - (xiv) Emergency operations;
 - (xv) Special operations; and
 - (xvi) Postflight procedures.
- (6) For a glider category rating:
 - (i) Fundamentals of instructing;
 - (ii) Technical subject areas;

- (iii) Preflight preparation;
- (iv) Preflight lesson on a maneuver to be performed in flight;
- (v) Preflight procedures;
- (vi) Airport and gliderport operations;
- (vii) Launches and landings;
- (viii) Fundamentals of flight;
- (ix) Performance speeds;
- (x) Soaring techniques;
- (xi) Performance maneuvers;
- (xii) Slow flight, stalls, and spins;
- (xiii) Emergency operations; and
- (xiv) Postflight procedures.
- (7) For an instrument rating with the appropriate aircraft category and class rating:
 - (i) Fundamentals of instructing;
 - (ii) Technical subject areas;
 - (iii) Preflight preparation;
 - (iv) Preflight lesson on a maneuver to be performed in flight;
 - (v) Air traffic control clearances and procedures;
 - (vi) Flight by reference to instruments;
 - (vii) Navigation aids;
 - (viii) Instrument approach procedures;
 - (ix) Emergency operations; and
 - (x) Postflight procedures.
- (c) The flight training required by this section may be accomplished:
 - (1) In an aircraft that is representative of the category and class of aircraft for the rating sought; or
 - (2) In a flight simulator or flight training device representative of the category and class of aircraft for the rating sought, and used in accordance with an approved course at a training center certificated under part 142 of this chapter.

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§61.189 Flight instructor records.

- (a) A flight instructor must sign the logbook of each person to whom that instructor has given flight training or ground training.
- (b) A flight instructor must maintain a record in a logbook or a separate document that contains the following:
 - (1) The name of each person whose logbook that instructor has endorsed for solo flight privileges, and the date of the endorsement; and