



CPL (A) Integrated Course Structure

A. The Flying Instruction is divided into Four Phases:

Phase 1

1. Exercises up to the first solo flight comprise a total of at least 10 hours dual flight instruction on a single-engine Airplane including:
 - (a) Pre-flight operations, mass and balance determination, Airplane inspection and servicing;
 - (b) Aerodrome and traffic pattern operations, collision avoidance and precautions;
 - (c) Control of the Airplane by external visual references;
 - (d) Normal take-offs and landings;
 - (e) Flight at relatively slow airspeeds, recognition of and recovery from incipient and full stalls, spin avoidance; and
 - (f) Unusual attitudes and simulated engine failure.

Phase 2

2. Exercises up to the first solo cross-country flight comprise a total of at least 10 hours of dual flight instruction and at least 10 hours solo flight including:
 - (a) Maximum performance (short field and obstacle clearance) take-offs, short-field landings;
 - (b) Flight by reference solely to instruments, including the completion of a 180° turn;
 - (c) Dual cross-country flying using external visual references, dead-reckoning and radio navigation aids, diversion procedures;
 - (d) Aerodrome and traffic pattern operations at different aerodromes;
 - (e) Crosswind take-offs and landings;
 - (f) Abnormal and emergency procedures and maneuvers, including simulated Airplane equipment malfunctions;
 - (g) Operations to, from and transiting controlled aerodromes, compliance with air traffic services procedures, radio telephony procedures and phraseology; and
 - (h) Knowledge of meteorological briefing arrangements, evaluation of weather conditions for flight and use of Aeronautical Information Services (AIS).



Phase 3

3. Exercises up to the VFR navigation progress test comprise a total of at least 30 hours instruction and at least 58 hours as pilot-in-command, including:
- (a) At least 10 hours instrument time, which may contain 5 hours of instrument ground time in a FNPT or a flight simulator and shall be conducted by a flight instructor and/or an authorised synthetic flight instructor.
 - (b) Repetition of exercises of Phases 1 and 2, which shall include at least five hours in an Airplane certificated for the carriage of at least four persons and have a variable pitch propeller and retractable landing gear;
 - (c) VFR flight at relatively critical high airspeeds, recognition of and recovery from spiral dives; and
 - (d) Night flight time including take-offs and landings as pilot-in-command.

Phase 4

4. The dual instruction and testing up to the CPL(A) skill test contain the following:
- (a) Up to 30 hours instruction which may be allocated to specialized aerial work training;
 - (b) Repetition of exercises in Phase 3, as required;
 - (c) In flight maneuvers and particular flight characteristics; and
 - (d) Multi-engine training. If required, operation of a multi-engine Airplane including operation of the Airplane with one engine simulated inoperative, and engine shut down and restart (the latter exercise at a safe altitude unless carried out in a synthetic training device).



B. JCAR FCL Training Requirements

1. **Theoretical Knowledge.** At least (300) Hrs of instruction

2. **Flight experience.**

(a) At least 150 Hrs flight time that includes at least:

- (1) 80 Hrs dual instruction flight
- (2) 70 Hrs as pilot in command

(b) Of which, at least:

- (1) 20 Hrs cross country flight as pilot in command including VFR cross-country flight
- (2) 5 Hrs night flying of which, 3 Hrs dual flight, 2 Hrs solo, 5 solo take off, and 5 full stop landing
- (3) 10 Hrs instrument instruction time of which, 5 Hrs on airplane, and Maximum 5 Hrs on FNPT I/II)
- (4) 5 Hrs to be carried out in an airplane certificated for the carriage of at least four persons and have a variable pitch propeller and retractable landing gear

Note: Maximum 5 Hrs may be instrument ground time

- (c) VFR navigation progress test
- (d) JCAR-CPL (A) Theoretical knowledge examination
- (e) CPL (A) Skill Test Single Engine / Multi Engine