



TO FILL THE SKIES WITH PILOTS

THE CIVILIAN
PILOT TRAINING
PROGRAM, 1939-1946

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APPENDIX B

Controlled Private Flying Course CPTP Demonstration Program

(Source: *Air Commerce Bulletin*, March 15, 1939, 232-33.)

Preliminary Ground Instruction.

- I. Thorough familiarization with functioning of airplane, controls and instruments:
 - (a) Starting.
 - (b) Warming up.
 - (c) Stopping engines.
 - (d) Warnings:
 1. Danger from propellers.
 2. Difference between ground and air speed.
 3. Parking plane during strong wind.
 4. Running engine with no one in the cockpit.

NOTE.—The above is ground instruction given before the actual dual time is started.

Stage A. Dual Instruction—8 Hours.

- II. Taxiing to proficiency:
 - (a) Handling plane.
 1. Into wind.
 2. Cross wind.
 3. Down wind.
 4. Gusty air.
- III. Take-offs:
 - (a) Into wind.
 - (b) Cross wind.
 - (c) Down wind (demonstrate only on auxiliary field).
- IV. Air Work:
 - (a) Straight and level flight.
 - (b) Gentle climbs and turns.
 - (c) Gentle turns.
 - (d) 70-degree turns.
 - (e) Spirals and approaches for landings.

- V. Landings:
- (a) Into wind.
 - (b) Cross wind.
 - (c) Down wind (demonstrate only on auxiliary field).
- VI. Stalls and spins; stressing approach and recovery.
- VII. Emergencies:
- (a) Simulated forced landings from—
 1. Take-off from less than 200 feet of altitude.
 2. 90 degrees from over 200 feet of altitude.
 3. 180 degrees from above 400 feet of altitude.
- NOTE.—Students should be permitted to solo at any time after 8 hours when in the opinion of their instructors they are qualified. The order of teaching and time spent on maneuvers is left to the instructor's judgment to suit his conditions and personnel. Instruction periods 30 minutes each. All landing practice without power.

Stage B. Primary Solo—5 Hours Solo—1 Hour Dual.

- VIII. Solo flight—three landings recommended.
- IX. Practice Work of Stage A periods I, II, III, IV, and V only:
- (a) All take-offs and landings into wind only.
 - (b) A 10-minute check by instructor preferably after first three solo flights of 30 minutes each.
 - (c) 30-minute check after 3 hours.
- NOTE.—Total of stages A and B to be 14 hours flying time. All landings practiced without power.

Stage C. Advanced Solo—13 Hours Solo—8 Hours Dual.

- X. Instruction (1 hour):
- (a) Precision landing (180-degree U-type approach).
 - (b) 30-degree eights around pylons
- Solo (2 hours)—practice above.
- XI. Instruction (1 hour):
- (a) Review period IX.
 - (b) Precision landings (360-degree U-type final approach).
 - (c) 70-degree power turns
- Solo (2 hours)—practice above.
- XII. Instruction (1 hour):
- (a) Review period X.
 - (b) Precision landings 720 degrees (minimum two turns).
 - (c) 70-degree eights around pylons.
- Solo (2 hours)—practice above.
- XIII. Instruction (1 hour):
- (a) Review period XI.
 - (b) Stalls and spins.
 - (c) Slips.

- Solo (2 hours)—
cated instructor.
- XIV. Instruction (1 ho
(a) Power appr
(b) Power land
Solo (1 hour)—p
- XV. Instruction (1 ho
(a) Cross count
Solo (2 hours), c
landings at differ
- XVI. Instruction (1 ho
(a) Front seat in
(b) Complete pr
Solo (2 hours)—
maneuvers as ne
- XVII. Check by instruc
Note.—In stage C
1 hour at discret
dency to tire. A
given on any ma
minimum outlin
on all dual perio

Stage

- A. Dual
B. Primary solo
C. Advanced sol
Total
-

- Solo (2 hours)—practice above. (Spins may be solo or with a certificated instructor.)
- XIV. Instruction (1 hour):
 (a) Power approaches and looking over fields.
 (b) Power landings.
 Solo (1 hour)—practice above.
- XV. Instruction (1 hour):
 (a) Cross country (second type of aircraft used.)
 Solo (2 hours), cross country, 50 miles minimum and two full-stop landings at different airports.
- XVI. Instruction (1 hour)
 (a) Front seat indoctrination or opposite seat.
 (b) Complete private flight test given.
 Solo (2 hours)—goes through two complete tests alone and practice maneuvers as needed.
- XVII. Check by instructor for private flight test.
 Note.—In stage C, length of period should range from 30 minutes to 1 hour at discretion of instructor after judging student and his tendency to tire. Additional instruction to that prescribed should be given on any maneuvers the instructor deems necessary. Above is a minimum outline only. Simulated forced landings should be given on all dual periods.

Recapitulation

Stage	Number of Hours	
	Dual	Solo
A. Dual	8	
B. Primary solo	1	5
C. Advanced solo	8	13
Total	17	18