

FLIGHT PERFORMANCE OBJECTIVES

OV-1 TRANSITION COURSE

Stage I (30:00) Flight Evaluation (OV-1)

The student will be able to perform the following maneuvers/procedures as prescribed in the maneuver guide with the aid of the checklist, DOD FLIP and pilot's handbook, unless otherwise indicated, within the tolerances listed. The flight evaluator will determine proficiency during unforeseen or widely varying circumstances.

MANEUVER/PROCEDURES

SKILL

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| 1. Preflight inspection | 100% accuracy of all items required for safe operation of the type flight contemplated. |
| 2. Procedures for engine-
a) Prestarting
b) Starting
c) Warmup
d) Runup
e) Shutdown | 100% accuracy of all checklist items. Comply with procedures to a degree to prevent damage to engines and insure that both engines and other equipment are operational and within the prescribed tolerances for safe flight. |
| 3. Taxiing | Taxi the aircraft safely to and from the designated runup area and comply with all instructions. Taxi speeds should not exceed 5 knots in congested areas and 10 knots in uncongested areas. |
| 4. Reverse Thrust | Demonstrate ability to reverse both propellers and bring aircraft to a full stop utilizing only reverse thrust and maintain aircraft control as reverse thrust pressures increase. |
| 5. Communication radio check and usage. | Tune correct frequency for the communication facility to be utilized. Obtain and comply with clearances for taxi, takeoff and landing utilizing the prescribed frequencies and phraseology. |
| 6. Cock-Pit Procedures | 100% accuracy of all checklist items. |
| 7. Normal Takeoff | Heading control $\pm 10^{\circ}$; airspeed ± 10 knots. |
| 8. Straight & Level flight | Maintain heading $\pm 10^{\circ}$, altitude ± 100 feet. |
| 9. Propeller Synchronization | Demonstrate ability to set the left tachometer ± 50 rpm, and synchronize the right tachometer to within 35 rpm prior to activating the synchrophaser switch. |