

Unit 1 – Introduction to Flying Tailwheel Airplanes

Objective

Introduce the learner to tailwheel airplane taxiing and flight characteristics.

Preparation

- PHAK (FAA-H-8083-25C) – Chapter 14: Transition to Tailwheel Airplanes
- Flying Tailwheel Airplanes (John A Valade)
- The Compleat Taildragger Pilot (Harvey S. Plourde)

Content

Preflight Discussion

- | | |
|---|--|
| ☐ 14 CFR Part 61.31 and 61.57 | ☐ Taxiing: Steering and Braking |
| ☐ Operating Handbook Review | ☐ Taxiing: Visibility |
| ☐ Systems Description Deep Dive | ☐ Taxiing: Wind/Weathervane effects |
| ☐ Normal and Emergency Procedures | ☐ Taxiing: Ground Loop |
| ☐ Adverse Yaw | ☐ Taxiing: Paved and Non-paved surfaces |
| ☐ Stall and Spin Characteristics | ☐ Normal Takeoff and Climb |
| ☐ Reference Attitudes – 3 pt and 2 pt | ☐ Turning Tendencies |
| ☐ Angle of Attack on Ground | ☐ Pre-Flight Assessment |
| ☐ Taxiing: CG position, instability, forces and controls | ☐ (PAVE/CARE/TEAM) |

Flight Training

- | | |
|--|---|
| ☐ Pre-Flight Inspection | ☐ Slow Flight |
| ☐ Engine Starting Procedure | ☐ Power-Off Stall |
| ☐ Taxiing | ☐ Power-On Stall |
| ☐ Before Takeoff Check | ☐ Forward and Side Slip |
| ☐ Normal Takeoff and Climb (Flight Instructor Demo) | ☐ Emergency Approach and Landing |
| ☐ Rudder Coordination Exercises | ☐ Normal Approach and Landing (Flight Instructor Demo) |
| ☐ Medium Banked Turns | ☐ After Landing, Parking, Securing |
| ☐ Steep Banked Turns | |

Completion Standards

- ☐ The learner demonstrates understanding of tailwheel ground handling tendencies and the required pilot technique to maintain directional control while taxiing.

Date_____	Student Name_____	Student Signature_____
Aircraft ID_____	Instructor Name_____	Instructor Signature_____
Complete _____	Ground Time (1.5) _____	Flight Time (1.0) _____

Unit 2 – Introduction to Three Point Landings

Lesson Objective

Introduce the learner to tailwheel airplane landing and go-around procedures.

Content

Preflight Discussion

- | | |
|--|---|
| ☐ Stabilized Approach | ☐ Ground Loop Avoidance |
| ☐ Normal Approach and Landing | ☐ Go Around Procedure |
| ☐ Three Point Landings | ☐ Pre-Flight Assessment (PAVE/CARE/TEAM) |
| ☐ Bounce Recoveries | |

Flight Training

- | | |
|--|--|
| ☐ Pre-Flight Inspection | ☐ Traffic Pattern |
| ☐ Engine Starting Procedure | ☐ Normal Approach and Three Point Landing |
| ☐ Taxiing | ☐ Go-Around / Rejected Landing |
| ☐ Before Takeoff Check | ☐ Power-Off 180 Approach and Landing |
| ☐ Normal Takeoff and Climb | ☐ After Landing, Parking, Securing |
| ☐ Forward and Side Slip | |

Completion Standards

- ☐ The learner maintains directional control throughout the takeoff roll and initial climb.
- ☐ The learner demonstrates the ability to establish and maintain a stabilized approach to the designated aim point.
- ☐ The learner recognizes situations requiring a go-around and safely executes the go-around procedure.
- ☐ The learner establishes and maintains the three point attitude throughout the landing flare, maintains directional control, and moves the flight controls fully aft after landing to keep the tailwheel in contact with the ground.

Date_____	Student Name_____	Student Signature_____
Aircraft ID_____	Instructor Name_____	Instructor Signature_____
Complete _____	Ground Time (0.5 _____)	Flight Time (1.5) _____

Unit 3 –Wheel Landings

Lesson Objective

Introduce the learner to the wheel landing technique.

Content

Preflight Discussion

- ☐ Wheel Landings
- ☐ Pre-Flight Assessment (PAVE/CARE/TEAM)

Flight Training

- ☐ Pre-Flight Inspection
- ☐ Engine Starting Procedure
- ☐ Taxiing
- ☐ Before Takeoff Check
- ☐ Normal Takeoff and Climb
- ☐ Forward and Side Slip
- ☐ Traffic Pattern
- ☐ Wheel Landing
- ☐ Go-Around / Rejected Landing
- ☐ Power-Off 180 Approach and Landing
- ☐ After Landing, Parking, Securing

Completion Standards

- ☐ The learner establishes and maintains the two point attitude throughout the landing level off, flying the airplane onto the runway surface, while maintaining directional control
- ☐ The learner maintains the two point attitude throughout the wheel landing rollout until the elevator loses effectiveness and then moves the flight controls fully aft after landing to keep the tailwheel in contact with the ground.

Date_____	Student Name_____	Student Signature_____
Aircraft ID_____	Instructor Name_____	Instructor Signature_____
Complete _____	Ground Time (0.5) _____	Flight Time (1.5) _____

Lesson 4 – Crosswind Operations

Lesson Objective

Introduce the learner to crosswind takeoff and landing techniques.

Content

Preflight Discussion

- | | |
|---|---|
| ☐ Strong and Gusty Wind Operations | ☐ Wing Down Approach Method |
| ☐ Taxiing in windy conditions | ☐ Crosswind Approach and Landing |
| ☐ Crosswind Takeoff and Climb | ☐ Pre-Flight Assessment |
| ☐ Crab Approach Method | ☐ (PAVE/CARE/TEAM) |

Flight Training

- | | |
|--|---|
| ☐ Pre-Flight Inspection | ☐ Crosswind Approach and Three Point Landing |
| ☐ Engine Starting Procedure | ☐ Crosswind Approach and Wheel Landing |
| ☐ Taxiing | ☐ Go-Around / Rejected Landing |
| ☐ Before Takeoff Check | ☐ Power-Off 180 Approach and Landing |
| ☐ Crosswind Takeoff and Climb | ☐ After Landing, Parking, Securing |
| ☐ Forward and Side Slip | |
| ☐ Traffic Pattern | |

Completion Standards

- ☐ The learner can perform crosswind takeoffs and crosswind landings, maintaining directional control and with no side drift, in conditions that are at least 50% of the demonstrated crosswind component for the training airplane.

Date_____	Student Name_____	Student Signature_____
Aircraft ID_____	Instructor Name_____	Instructor Signature_____
Complete _____	Discussion Time (0.5) _____	Flight Time (1.5) _____

Unit 5 – Short and Soft Field Operations

Lesson Objective

The learner will learn short and soft field takeoff and landing techniques.

Content

Preflight Discussion

- | | |
|--|--|
| ☐ POH Review: Performance | ☐ Unimproved surfaces |
| ☐ Short Field Operations | ☐ Pre-Flight Assessment |
| ☐ Soft Field Operations | ☐ (PAVE/CARE/TEAM) |

Flight Training

- | | |
|--|---|
| ☐ Pre-Flight Inspection | ☐ Traffic Pattern |
| ☐ Engine Starting Procedure | ☐ Soft Field Approach and Landing |
| ☐ Taxiing | ☐ Short Field Approach and Landing |
| ☐ Before Takeoff Check | ☐ Wheel Landing |
| ☐ Normal Takeoff and Climb | ☐ Go-Around / Rejected Landing |
| ☐ Soft Field Takeoff and Climb | ☐ Normal Approach and Landing |
| ☐ Short Field Takeoff and Climb | ☐ Power-Off 180 Approach and Landing |
| ☐ Forward and Side Slip | ☐ After Landing, Parking, Securing |

Completion Standards

- ☐ The learner can consistently perform the following maneuvers within the standard specified in the Private Pilot Airplane ACS for the associated maneuver.
 - ☐ Normal Takeoff and Climb
 - ☐ Normal Approach and Landing
 - ☐ Soft-Field Takeoff and Climb
 - ☐ Soft-Field Approach and Landing
 - ☐ Short-Field Takeoff and Maximum Performance Climb
 - ☐ Short Field Approach and Landing
 - ☐ Forward Slip to a Landing
 - ☐ Go-Around/Rejected Landing

Date_____	Student Name_____	Student Signature_____
Aircraft ID_____	Instructor Name_____	Instructor Signature_____
Complete _____	Discussion Time (0.5) _____	Flight Time (1.5) _____