

## **Flight Instructor Airplane Single-Engine**

### **Performance Maneuvers, Normal and Crosswind Takeoffs and Landings, Power-Off Accuracy Landings,**

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#### **Scenario:**

You are a CFI conducting a training flight with a private pilot who is training for a commercial pilot certificate. The PT is simulating a scenario where the “student” is preparing for the commercial pilot practical test by developing proficiency in the required performance maneuvers and accuracy landings.

#### **Lesson Objectives:**

The purpose of this lesson is for the student instructor to learn to effectively perform and analyze the performance elements involved in maneuvers and procedures appropriate for performance maneuvers, normal and crosswind takeoffs and landings, slips to a landing, and power-off accuracy landings.

#### **Pre-Briefing:**

The student instructor will review the desired outcomes, discuss the scenario for the flight, and discuss the key elements of each maneuver to be flown. The student instructor will develop a maneuver lesson that describes and utilizes the scenario prescribed for this lesson. During the preflight briefing, the instructor will play the role of the student being trained and respond accordingly.

The student instructor should be able to explain the risks associated with a student practicing performance maneuvers and while doing normal and crosswind takeoffs and landings, and with accuracy landings.

The student instructor should ask questions of the instructor playing the role of the student about the maneuvers to be flown and be able to analyze those answers to determine if the “student” has a complete understanding of the elements of those maneuvers. If not, the student instructor should provide instruction to correct any misunderstandings noted.

#### **Completion Standards:**

This lesson will be complete when the student instructor can perform, teach and analyze each maneuver to the level shown on the desired outcome table and within the tolerances specified by the Flight Instructor Practical Test Standard for Airplane, Single-Engine.

FI-ASE- Performance Maneuvers, Normal and Crosswind Takeoffs and Landings, Power-Off Accuracy Landings,  <b>Desired Outcome Grade Sheet</b>			Task Grades					SRM Grades	
			Not Observed	Describe	Explain	Practice	Perform	Explain	Practice
Scenario Activities	Task	Desired Performance							
Preflight Lesson on a Maneuver to be Performed in Flight.	Maneuver Lesson								
	SRM								
Preflight Procedures	Preflight Inspection								
	Engine Starting								
	Taxiing								
	Before Takeoff Check								
	SRM								
Airport Operations	Radio Communications and ATC Light Signals								
	Traffic Patterns								
	Airport, Runway, and Taxiway Signs, Markings, and Lighting								
	SRM								
Takeoffs and Departure	Normal and Crosswind Takeoff and Climb								
	Airport Departure Procedures								
	SRM								
Performance Maneuvers	Steep Turns								
	Steep Spirals								
	Chandelles								
	Lazy Eights								
	SRM								
Arrival and Landings	Normal and Crosswind Approach and Landing								
	Power-Off 180° Accuracy Approach and Landing								
	Slips to a Landing								
	Go-Around/Rejected Landing								
	SRM								
Post Flight Procedures	Postflight Procedures								
	SRM								

**De-Briefing:**

The debriefing will be lead by the student instructor using the Learner-Centered Grading method. The student instructor will critique the instructor about the instructor's "simulated student" performance. Then the student instructor will critique his/her own performance using the Desired Outcomes Grading sheet

as a guide. The instructor and student instructor will discuss any discrepancies in their respective evaluations.

**Notes to the Instructor:**

The student instructor is learning how to prepare and to present effective scenario-based instruction. The student instructor may not have received scenario-based instruction and may need to review the information provided on the FAA/FITS website to gain a full understanding of the instructional process and its value.

The student instructor should develop a lesson plan that incorporates this scenario and conduct the flight in accordance with that plan. You should review this lesson plan during the preflight briefing and make any suggestions for improvement at that time.

This scenario involves a lesson where the private pilot is practicing and preparing to for the performance maneuvers required on the commercial practical test.

You should play the role of the student while the student instructor analyzes and corrects your performance. You should perform each maneuver requested by the student instructor with varying degrees of proficiency providing a challenge to the student instructor's ability to analyze and correct. You should ask the student instructor to demonstrate a maneuver "so you can get another look at how it should be done." This will require the student instructor to show the ability to teach and demonstrate the maneuvers correctly and within standards.

After performing the performance maneuvers, you can proceed to the airport and practice the normal and crosswind takeoffs and landings and the 180 degree power off accuracy landings. During the "practice" of these takeoffs and landings, perform them with various degrees of proficiency so the student instructor can practice analyzing and providing corrective instruction. Again, the student instructor should be able to properly demonstrate each maneuver correctly and within standards.