



PILOT EDITION

# Access to Flight

INTEGRATED PRIVATE AND INSTRUMENT SYLLABUS



## Lesson 2: Introduction to the Airplane and Fundamentals Of Flight

## Notes

## Dual Flight Lesson

**Lesson Time: 1.0 hour Flight Training / 1.0 hour Ground Training**

## Scenario

You and a friend want to go to a town nearby to see your daughter play in the state softball tournament. Your plan is to land two hours before game time in order to allow enough time for lunch.

## Scenario Objective

The purpose of this lesson is to introduce the airplane cockpit and fundamental flight maneuvers. In addition, the PT will practice normal checklist procedures.

## Key Elements of the Lesson

- Use of checklists
- Pre-flight inspection of the airplane
- Cockpit and systems familiarization
- Engine Start procedures and safety
- Taxiing
- Takeoff and climb
- The Four Fundamentals of Flight: Climbs, Turns, Descents and Straight and Level
- Navigating to the baseball game
- Traffic Pattern
- Landing
- Engine shutdown procedures and safety

## Notes to PT

The first flight is always a rush of information. At times it will feel that things are happening faster than you can keep up with - but that feeling will pass as you get comfortable and familiar with what is going on. Your Instructor will do most of the work this time, but this lesson is not a “ride.” You are going to actually fly the airplane - probably more that you originally thought. Don't get overwhelmed because you don't need to know everything there is to know all at once. Relax and have some real fun flying an airplane that others only dream of!

## Completion Standards

The instructor will guide the student through a pre-flight airplane inspection and cockpit familiarization. This lesson is complete when the PT is able to meet the desired outcomes that are indicated on the Learner Centered Grading sheet for this lesson and when the PT is able to conduct normal checklist procedures with little input from the instructor.



Cirrus Private Instrument Course Strand 1 - Lesson 2 Dual Flight Lesson Introduction to the Airplane And Fundamentals of Flight	Desired Outcome	Describe	Explain	Practice	Perform	Manage/Decide	Not Observed

**Pre-flight Discussion**

Discuss Lesson Objective and Completion Standards	DESCRIBE						
Normal Checklist Procedures	DESCRIBE						
The Four Fundamentals: Climbs, Turns, Descents and Straight and Level	DESCRIBE						
The Scenario of today's lesson	DESCRIBE						

**Introduction**

Cockpit familiarization	DESCRIBE						
PFD and MFD	DESCRIBE						
Avionics	DESCRIBE						
Flight and Engine Controls	DESCRIBE						
Use of Checklist	DESCRIBE						
Engine Start and Warm-up	DESCRIBE						
Taxiing and Ground Operations	DESCRIBE						
Normal Takeoff and Climb	DESCRIBE						
The Four Fundamentals	DESCRIBE						
Navigating to the Baseball Game	DESCRIBE						
Airport Traffic Pattern	DESCRIBE						
Normal Runway Approach and Landing	DESCRIBE						
After Landing Procedures	DESCRIBE						
The importance of safety awareness on the ground and in the air	DESCRIBE						
Engine shutdown procedures	DESCRIBE						
Single-pilot Resource Management	DESCRIBE						

**Post-flight Discussion**

Student Performance	DESCRIBE						
Instructor Performance	DESCRIBE						

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INTEGRATED PRIVATE AND INSTRUMENT SYLLABUS

STRAND 1	STRAND 2	STRAND 3	STRAND 4	STRAND 5
Lesson 1 GROUND LESSON	Lesson 19 SOLO FLIGHT LESSON	Lesson 30 GROUND LESSON	Lesson 36 GROUND LESSON	Lesson 45 GROUND LESSON
Lesson 2 DUAL FLIGHT LESSON	Lesson 20 GROUND LESSON	Lesson 31 DUAL FLIGHT LESSON	Lesson 37 DUAL FLIGHT LESSON	Lesson 46 DUAL FLIGHT LESSON
Lesson 3 DUAL FLIGHT LESSON	Lesson 21 DUAL FLIGHT LESSON	Lesson 32 SOLO FLIGHT LESSON	Lesson 38 DUAL FLIGHT LESSON	Lesson 47 DUAL FLIGHT LESSON
Lesson 4 DUAL FLIGHT LESSON	Lesson 22 GROUND LESSON	Lesson 33 SOLO FLIGHT LESSON	Lesson 39 SOLO FLIGHT LESSON	Lesson 48 DUAL FLIGHT LESSON
Lesson 5 GROUND LESSON	Lesson 23 DUAL FLIGHT LESSON	Lesson 34 SOLO FLIGHT LESSON	Lesson 40 DUAL FLIGHT LESSON	Lesson 49 SOLO FLIGHT LESSON
Lesson 6 DUAL FLIGHT LESSON	Lesson 24 SOLO FLIGHT LESSON	Lesson 35 SOLO FLIGHT LESSON	Lesson 41 SOLO FLIGHT LESSON	Lesson 50 DUAL FLIGHT LESSON
Lesson 7 DUAL FLIGHT LESSON	Lesson 25 SOLO FLIGHT LESSON		Lesson 42 DUAL FLIGHT LESSON	Lesson 51 SOLO FLIGHT LESSON
Lesson 8 DUAL FLIGHT LESSON	Lesson 26 GROUND LESSON		Lesson 43 DUAL FLIGHT LESSON	Lesson 52 DUAL FLIGHT LESSON
Lesson 9 DUAL FLIGHT LESSON	Lesson 27 DUAL FLIGHT LESSON		Lesson 44 DUAL FLIGHT LESSON	Lesson 53 DUAL FLIGHT LESSON
Lesson 10 DUAL FLIGHT LESSON	Lesson 28 DUAL FLIGHT LESSON			Lesson 54 DUAL FLIGHT LESSON
Lesson 11 DUAL FLIGHT LESSON	Lesson 29 DUAL FLIGHT LESSON			Lesson 55 DUAL FLIGHT LESSON
Lesson 12 DUAL FLIGHT LESSON	<p>This integrated Private Pilot and Instrument Rating syllabus provides a vast amount of flexibility in the progression of lessons. While it is recommended to complete the lessons in order as much as possible, students and instructors can shuffle appropriate lessons within each strand depending on the current weather conditions. This flexibility will help to prevent lessons from being cancelled and allow pilots to progress through the course on a regular schedule while minimizing interruptions.</p>			Lesson 56 DUAL FLIGHT LESSON
Lesson 13 DUAL FLIGHT LESSON				Lesson 57 DUAL FLIGHT LESSON
Lesson 14 DUAL FLIGHT LESSON				Lesson 58 GROUND LESSON
Lesson 15 DUAL FLIGHT LESSON				Lesson 59 DUAL FLIGHT LESSON
Lesson 16 DUAL FLIGHT LESSON				Lesson 60 DUAL FLIGHT LESSON
Lesson 17 DUAL/SOLO FLIGHT LESSON				Lesson 61 GROUND LESSON
Lesson 18 DUAL FLIGHT LESSON				Lesson 62 DUAL FLIGHT LESSON

