

# Stage 1 - Private Pilot

## Ground Lesson 4

Chapter 4, The Flight Environment

# Leading Edge Aviation

Version 2015

Student Name \_\_\_\_\_

### Lesson Objective:

- Understand important safety considerations, including collision avoidance precautions, right-of-way rules, and minimum safe altitudes.
- Become familiar with airport marking and lighting, aeronautical charts, and types of airspace.
- Learn about collision avoidance procedures and runway incursion avoidance.

### Academic Content:

#### Section A - Pilot Training

- |  |   |
|--|---|
| <input type="checkbox"/> Collision Avoidance/Visual Scanning | <input type="checkbox"/> Minimum Safe Altitudes               |
| <input type="checkbox"/> Airport Operations                  | <input type="checkbox"/> Taxiing in Wind                      |
| <input type="checkbox"/> Right-of-Way Rules                  | <input type="checkbox"/> Positive Exchange of Flight Controls |

Date Completed \_\_\_\_\_

Time \_\_\_\_\_

#### Section B - Airports

- |  |   |
|--|---|
| <input type="checkbox"/> Controlled and Uncontrolled | <input type="checkbox"/> Runway Incursion Avoidance             |
| <input type="checkbox"/> Runway Layout               | <input type="checkbox"/> Land and Hold Short Operations (LAHSO) |
| <input type="checkbox"/> Traffic Pattern             | <input type="checkbox"/> Airport Lighting                       |
| <input type="checkbox"/> Airport Visual Aids         | <input type="checkbox"/> Visual Glideslope Indicators           |
| <input type="checkbox"/> Runway and Taxiway Markings | <input type="checkbox"/> Approach Light Systems                 |
| <input type="checkbox"/> Ramp Area Hand Signals      | <input type="checkbox"/> Pilot-Controlled Lighting              |

Date Completed \_\_\_\_\_

Time \_\_\_\_\_

#### Section C - Aeronautical Charts

- |   |  |
|---|--|
| <input type="checkbox"/> Latitude and Longitude | <input type="checkbox"/> Terminal Area Chart       |
| <input type="checkbox"/> Projections            | <input type="checkbox"/> World Aeronautical Charts |
| <input type="checkbox"/> Sectional Charts       | <input type="checkbox"/> Chart Symbology           |

Date Completed \_\_\_\_\_

Time \_\_\_\_\_

#### Section C - Airspace

- |  |   |
|--|---|
| <input type="checkbox"/> Classifications       | <input type="checkbox"/> Special VFR                          |
| <input type="checkbox"/> Uncontrolled Airspace | <input type="checkbox"/> Special Use Airspace                 |
| <input type="checkbox"/> Controlled Airspace   | <input type="checkbox"/> Other Airspace Areas                 |
| <input type="checkbox"/> Class E               | <input type="checkbox"/> Emergency Air Traffic Rules          |
| <input type="checkbox"/> Class D               | <input type="checkbox"/> Air Defense Identification Zones     |
| <input type="checkbox"/> Class C               | <input type="checkbox"/> Security-Related Flight Restrictions |
| <input type="checkbox"/> Class B               | <input type="checkbox"/> Intercept Procedures                 |
| <input type="checkbox"/> Class A               |   |

Date Completed \_\_\_\_\_

Time \_\_\_\_\_

### Completion Standards:

- Demonstrate understanding of airport marking and lighting, runway incursion avoidance, collision avoidance, right-of-way rules, minimum safe altitudes, aeronautical charts, and airspace during oral quizzing by the instructor.
- Complete with a minimum score of 80%: questions for Chapter 4 Sections a, b, C, and D. Review with the instructor each incorrect response to ensure complete understanding before starting Ground Lesson 5

I certify that the aforementioned training has been conducted and/or received in accordance with Leading Edge Aviation Standards and the current 141 approved Jeppesen Private Pilot Syllabus.

Instructor \_\_\_\_\_

Date \_\_\_\_\_

Student \_\_\_\_\_

Date \_\_\_\_\_