

# Stage II - Private Pilot Flight Lesson 18

Dual - Night Cross-Country (2.0)

# Leading Edge Aviation

Version 2012

Note: A view limiting device is required for the .5 hours of dual instrument time allocated to Flight Lesson 18.

### Lesson Objective:

- Introduce night navigation, attitude instrument flying, and emergency operations.
- Recognize the importance of thorough planning and accurate navigation.
- The flight should include a total distance of more than 100 nautical miles and a point of landing at a straight-line distance of more than 50 nautical miles from the original point of departure.
- Emphasize precise aircraft control and the navigation accuracy required for night VFR cross-country flights.

### Preflight Discussion:

- Night Orientation, Navigation, and Chart Reading Techniques
- Weather Information
- Route Selection
- Altitude Selection
- Fuel Requirements
- Departure and Arrival Procedures

### Introduce:

	Satisfactory	Needs Improvement
Pilotage _____	<input type="checkbox"/>	<input type="checkbox"/>
Dead Reckoning _____	<input type="checkbox"/>	<input type="checkbox"/>
VOR, GPS, and ADF Navigation(VR-IR) (based of Acft. equipment) _____	<input type="checkbox"/>	<input type="checkbox"/>
Emergency Operations _____	<input type="checkbox"/>	<input type="checkbox"/>
Use of Unfamiliar Airports _____	<input type="checkbox"/>	<input type="checkbox"/>
Collision Avoidance Precautions _____	<input type="checkbox"/>	<input type="checkbox"/>
Diversion to Alternate _____	<input type="checkbox"/>	<input type="checkbox"/>
Lost Procedures _____	<input type="checkbox"/>	<input type="checkbox"/>
Unusual Attitude Recoveries (IR) _____	<input type="checkbox"/>	<input type="checkbox"/>

### Review:

Preparation for Night Flight _____	<input type="checkbox"/>	<input type="checkbox"/>
Aeromedical Factors _____	<input type="checkbox"/>	<input type="checkbox"/>
Flight Plan Considerations _____	<input type="checkbox"/>	<input type="checkbox"/>
Maneuvering During Slow Flight _____	<input type="checkbox"/>	<input type="checkbox"/>
Normal Takeoffs and Climbs _____	<input type="checkbox"/>	<input type="checkbox"/>
Normal Approaches and Landings _____	<input type="checkbox"/>	<input type="checkbox"/>
Short-Field Takeoffs/Maximum Performance Climbs and Landings _____	<input type="checkbox"/>	<input type="checkbox"/>
Soft-Field Takeoffs and Landings _____	<input type="checkbox"/>	<input type="checkbox"/>
Go-Around/Rejected Landing _____	<input type="checkbox"/>	<input type="checkbox"/>

### Completion Standards:

- Demonstrate an understanding of night cross-country preparation and flight procedures, including the ability to maintain attitude by instrument reference.
- Navigation should be accurate, and simulated emergency situations should be handled promptly, utilizing proper judgment.
- A total distance of more than 100 nautical miles and a landing point at a straight-line distance of more than 50 nautical miles from the original departure point is required.
- Complete 5 takeoffs and landing to a full stop with each involving flight in the traffic pattern.
- Demonstrate stabilized approaches to landing with touchdown at or near the appropriate touchdown area on the runway.

Pre \_\_\_\_\_, Post \_\_\_\_\_, PIC \_\_\_\_\_, Dual \_\_\_\_\_, Inst. \_\_\_\_\_, XC \_\_\_\_\_, Solo \_\_\_\_\_, Night \_\_\_\_\_, Day Land \_\_\_\_\_, Night Land \_\_\_\_\_

Aircraft Tail # \_\_\_\_\_

Instructor \_\_\_\_\_

Date \_\_\_\_\_

Student \_\_\_\_\_

Date \_\_\_\_\_