

Stage II - Private Pilot Flight Lesson 17

Dual - Cross Country (2.0)

Leading Edge Aviation

Version 2015

Student Name _____

Note: A view limiting device is required for the .5 hours of dual instrument time allocated to Flight Lesson 17.

Note: The flight must include a point of landing at a straight-line distance of more than 50 nautical miles from the original point of departure.

Lesson Objective:

- Introduce cross-country procedures and the proper techniques to be used during flights out of the local training area, including use of VOR, GPS, ADF, (based on aircraft equipment) and radar services under simulated instrument flight conditions.
- Prepare the student to make cross-country flights as the sole occupant of the airplane.
- Review instrument and emergency operations.
- Emphasize cross-country navigation procedures that include a point of landing at a straight-line distance of more than 50 nautical miles from the original point of departure.

Preflight Discussion:

- ☐ Aviation Security
- ☐ National Airspace System
- ☐ Special Use Airspace
- ☐ Temporary Flight Restrictions (TFRs)
- ☐ Sectional Charts
- ☐ Flight Publications
- ☐ Route Selection
- ☐ Pilotage and Dead Reckoning
- ☐ Weather Information
- ☐ Fuel Requirements
- ☐ Performance and Limitations
- ☐ Navigation Log
- ☐ FAA Flight Plan (How to Open, Close, or Amend)
- ☐ Weight and Balance
- ☐ Aeromedical Factors
- ☐ Single-Pilot Resource Management (SRM)
 - Aeronautical Decision Making
 - Risk Management
 - Task Management

Introduce:

Satisfactory

Needs Improvement

Cockpit Management _____	<input type="checkbox"/>	<input type="checkbox"/>
Flight Plan Considerations _____	<input type="checkbox"/>	<input type="checkbox"/>
Departure _____	<input type="checkbox"/>	<input type="checkbox"/>
Opening Flight Plan _____	<input type="checkbox"/>	<input type="checkbox"/>
Course Interception _____	<input type="checkbox"/>	<input type="checkbox"/>
Pilotage _____	<input type="checkbox"/>	<input type="checkbox"/>
Dead Reckoning _____	<input type="checkbox"/>	<input type="checkbox"/>
VOR Navigation _____	<input type="checkbox"/>	<input type="checkbox"/>
GPS Navigation _____	<input type="checkbox"/>	<input type="checkbox"/>
ADF Navigation _____	<input type="checkbox"/>	<input type="checkbox"/>
Autopilot Operation (if equipped)		
Use of Radar Services (VR) _____	<input type="checkbox"/>	<input type="checkbox"/>
Power Settings and Mixture Control _____	<input type="checkbox"/>	<input type="checkbox"/>
Diversion to an Alternate _____	<input type="checkbox"/>	<input type="checkbox"/>
Lost Procedures _____	<input type="checkbox"/>	<input type="checkbox"/>
Estimates of Groundspeed and ETA _____	<input type="checkbox"/>	<input type="checkbox"/>
Position Fix by Navigational Facilities _____	<input type="checkbox"/>	<input type="checkbox"/>
Flight on Federal Airways _____	<input type="checkbox"/>	<input type="checkbox"/>
Collision Avoidance Precautions _____	<input type="checkbox"/>	<input type="checkbox"/>
Closing the Flight Plan _____	<input type="checkbox"/>	<input type="checkbox"/>

Instrument Flight:

Positive Aircraft Control _____	<input type="checkbox"/>	<input type="checkbox"/>
Basic Instrument Maneuvers and Procedures _____	<input type="checkbox"/>	<input type="checkbox"/>
VOR Navigation (IR) _____	<input type="checkbox"/>	<input type="checkbox"/>
GPS Navigation (IR) _____	<input type="checkbox"/>	<input type="checkbox"/>
ADF Navigation (IR) _____	<input type="checkbox"/>	<input type="checkbox"/>
Use of Radar Services (IR) _____	<input type="checkbox"/>	<input type="checkbox"/>

Continued from Flight Lesson 17

Airport Operations:

Controlled Airports _____	<input type="checkbox"/>	_____	<input type="checkbox"/>
Use of ATIS _____	<input type="checkbox"/>	_____	<input type="checkbox"/>
Use of Approach and Departure Control _____	<input type="checkbox"/>	_____	<input type="checkbox"/>
Go-Around/Rejected Landing _____	<input type="checkbox"/>	_____	<input type="checkbox"/>
CTAF/UNICOM Airports _____	<input type="checkbox"/>	_____	<input type="checkbox"/>

Review:

Runway Incursion Avoidance _____	<input type="checkbox"/>	_____	<input type="checkbox"/>
Emergency Operations _____	<input type="checkbox"/>	_____	<input type="checkbox"/>
Systems and Equipment Malfunctions _____	<input type="checkbox"/>	_____	<input type="checkbox"/>
Emergency Descent _____	<input type="checkbox"/>	_____	<input type="checkbox"/>
Emergency Approach and Landing (Simulated) _____	<input type="checkbox"/>	_____	<input type="checkbox"/>
Emergency Equipment and Survival Gear _____	<input type="checkbox"/>	_____	<input type="checkbox"/>

Completion Standards:

- ☐ Demonstrate the skills to perform cross-country flight safely as the sole occupant of the airplane, including use of navigation systems and radar services under simulated instrument conditions.
- ☐ Complete at least one landing at a point that is a straight-line distance of more than 50 nautical miles from the original point of departure.
- ☐ Competently demonstrate complete preflight planning, weather analysis use of FAA publications and charts, adherence to the preflight plan, and the use of pilotage, dead reckoning, radio communication, and navigation systems.

Pre_____, Post_____, PIC_____, Dual_____, Inst. _____, XC_____, Solo_____, Night_____, Day Land_____, Night Land_____

Aircraft Tail # _____

Instructor _____

Date _____

Student _____

Date _____