

Stage III - Instrument Rating

Flight Lesson 26

Lesson Objective:

- The student will continue to learn how to accurately plan and conduct an IFR cross-country flight and become more familiar with IFR departure, enroute, and arrival procedures.

NOTE: the flight is designed to meet the cross-country requirements stated in Part 141, Appendix C. The flight must be conducted under IFR in the category and class of airplane for which the course is approved and must be at least 250 nautical miles in length along airways or ATC-directed routing. One leg of the flight must be at least a straight line distance of 100 nautical miles between airports. The student must perform an instrument approach at each airport and perform a minimum of three different types of approaches using navigation systems.

Review: **Satisfactory** **Needs Improvement**

IFR Cross-Country Flight Planning

- Weather Information Related to IFR Cross-Country Flight _____ _____
- Aircraft Performance, Limitations, and Systems Related to IFR Cross Country _____ _____
- Enroute Chart Interpretation _____ _____
- Navigation Log and Flight Plan Completion _____ _____
- Filing an IFR Flight Plan _____ _____

ATC Clearance

- Clearance Copying and Readback _____ _____
- Departure Procedures and Clearances _____ _____
- Use of SIDs and ODPs _____ _____

IFR Cross-Country Flight

- VOR Enroute Navigation _____ _____
- GPS Enroute Navigation (based on aircraft equipment) _____ _____
- Calculating ETEs and ETAs _____ _____
- Use of Radar _____ _____
- Radio Communications _____ _____
- Enroute Procedures and Clearances _____ _____
- Arrival Procedures and Clearances _____ _____
- Use of Standard Terminal Arrivals (STARs) _____ _____
- Holding _____ _____
- Canceling an IFR Flight Plan _____ _____
- Single-Pilot-Resource Management _____ _____
- Aeronautical Decision Making _____ _____

Approach Procedures

- VOR Approaches (As Needed) _____ _____
- GPS Approaches (As Needed) _____ _____
- NDB Approaches (As Needed) _____ _____
- ILS Approaches (As Needed) _____ _____
- Localizer Approaches (As Needed) _____ _____
- Missed Approach Procedures _____ _____
- Partial Panel Approaches _____ _____

Simulated Emergency Procedures

- Loss of Communications _____ _____
- Loss of Primary Flight Instrument Indicators _____ _____
- Partial Panel Flight _____ _____
- Systems and Equipment Malfunctions _____ _____
- Airframe and Powerplant Icing _____ _____
- Turbulence _____ _____
- Diversion _____ _____
- Low Fuel Supply _____ _____
- Engine Failure _____ _____

Completion Standards:

- At the completion of this flight, the student should be proficient in cross-country operations, approach procedures, and simulated emergency procedures appropriate to the aircraft to be used for the practical test.
- The student should have command of the airplane at all times during the flight, exercise sound judgement, ;and accurately comply with ATC procedures and clearances.

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

Aircraft Tail # _____

Instructor _____

Date _____

Student _____

Date _____