



MASTER COURSE OUTLINE

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Date: January 2014

COURSE TITLE

PRIVATE PILOT FLIGHT (STAGE 2)

GENERAL COURSE INFORMATION

Dept.: AVF

Course Num: 142

(Formerly:)

CIP Code: 49.0102

Intent Code: 21

Program Code:

Credits: 4

Total Contact Hrs Per Qtr.: 44

Lecture Hrs: 4

Lab Hrs:

Other Hrs:

Distribution Designation: General Elective

COURSE DESCRIPTION (as it will appear in the catalog)

Scheduled flight time, ground critique, discussions, and observation time; both dual and solo flights. Instrument flight training is integrated with all phases of flying. Includes simulator time.

PREREQUISITES

AVF 141

TEXTBOOK GUIDELINES

Aircraft Flight Manual for B19/C23 by Beechcraft

Airplane Flying Handbook by FAA

Professional Pilot Course Handbook by BBCC

COURSE LEARNING OUTCOMES

Upon successful completion of the course, students should be able to demonstrate the following knowledge or skills:

1. Safely conduct cross-country flights using pilotage, dead reckoning, and radio navigation under VFR conditions. (Including operations within the ATC environment).

INSTITUTIONAL OUTCOMES

IO2 **Quantitative Reasoning:** Students will be able to reason mathematically

COURSE CONTENT OUTLINE

1. SOLO FLIGHT PRACTICE

The student shall gain solo experience and perform specific flight maneuvers assigned by the flight instructor.

2. TAKEOFF AND LANDING

The student shall be introduced to the various types of takeoffs, approaches and landings

3. CROSS-COUNTRY DUAL

The student will navigate using pilotage, dead reckoning, and radio navigation; and will compute fuel consumption and ETA's to checkpoints and destinations. Flight will usually be made to Wenatchee Pangborn Field, or Ellensburg Bowers Field.

4. CROSS-COUNTRY DUAL

The student will plan a dual cross-country flight to three airports; however, a diversion to an alternate will be made at a selected point. The student will perform all required navigation procedures, and display the ability to safely conduct solo cross-country flight.

5. CROSS-COUNTRY SOLO

The student shall plan and make a cross-country solo flight to an authorized airport.

6. REVIEW AND PRACTICE

The student shall perform specific solo flight maneuvers assigned by the flight instructor.

7. CROSS-COUNTRY SOLO

The student shall perform the assigned cross-country.

8. CROSS-COUNTRY SOLO

The student will conduct a three-leg solo cross-country flight using pilotage, dead reckoning, and radio navigation (VOR or ADF). The flight may be over the same course as for the previous dual cross-country flight.

9. SIMULATOR INSTRUMENT FLIGHT

The student shall perform the various flight maneuvers using instrument reference only, along with a review of *training device* operating procedures.

10. REVIEW AND PREPARATION

The student will demonstrate and review maneuvers and procedures as needed in preparation for Stage II check.

11. STAGE 2 FLIGHT CHECK

The student shall plan and conduct a cross-country flight under supervision of the Chief Flight instructor or his assistants, including a diversion to an alternate airport as theoretically necessary to avoid adverse weather (expect oral questioning at intervals during the check).

DEPARTMENTAL GUIDELINES (*optional*)

Evaluation is by demonstration of flight proficiency, written test, and completion of home assignments.

Grading:

Satisfactory performance of maneuvers, procedures, written tests, and home assignments. _____ Pass

Unsatisfactory performance of maneuvers/procedures, written test, or home assignments. _____ Fail

DIVISION CHAIR APPROVAL

DATE