



MASTER COURSE OUTLINE

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Date: January 2014

COURSE TITLE

Commercial Pilot (Stage 5)

GENERAL COURSE INFORMATION

Dept.: AVF

Course Num: 252

(Formerly:)

CIP Code: 49.0102

Intent Code: 21

Program Code:

Credits: 4

Total Contact Hrs Per Qtr.: 44

Lecture Hrs: 44

Lab Hrs:

Other Hrs:

Distribution Designation: General Elective (GE)

COURSE DESCRIPTION (as it will appear in the catalog)

Scheduled flight time, ground critique, discussion and observation time, dual, solo, cross-country, and instrument, and complex aircraft time. Includes simulator time.

PREREQUISITES

AVF 251

TEXTBOOK GUIDELINES

Aircraft Flight Manual for F33A by Beechcraft

Airplane Flying Handbook by FAA, FAA-H-8083-D

Professional Pilot Course Handbook by Big Bend Community College

Commercial Pilot Practical Test Standards by FAA

COURSE LEARNING OUTCOMES

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

1. Act as a pilot-in-command of a complex airplane (as referenced in FAR 61.31 (e))
2. Demonstrate the maneuvers required (except on pylon maneuvers) for the commercial pilot flight test, approaching the tolerance outlined in the Commercial Pilot Practical Test Standards..

INSTITUTIONAL OUTCOMES

IO3 **Human Relations/Workplace Skills:** Students will be able to demonstrate teamwork, ethics, appropriate safety awareness and/or workplace specific skills

COURSE CONTENT OUTLINE

1. REVIEW AND PRACTICE OF MANEUVERS

Objective: The student shall review and continue to improve skill in selected maneuvers.

1A. [ALTERNATE]

Objective: Familiarize the student with seaplane operating procedures.

1B [ALTERNATE]

Objective: Familiarize the student with tailwheel operating procedures.

2. REVIEW AND PRACTICE OF MANEUVERS

Objective: The student shall practice those maneuvers and landings that will be required on the commercial flight check.

3. SIMULATOR: VOR REVIEW

Objective: The student shall practice basic instrument flying, by tracking to and from the VOR, making interceptions to radials to and from the VOR, and time-distance checks from the VOR.

4. REVIEW AND INTRO TO SPIRAL AND SPOT LANDINGS

The student shall practice climbs, straight-and-level flight, turns to heading, change of airspeed in flight, descents, constant rate climbs, descents, use of VOR, steep spirals and spot landings.

5. MANEUVER REVIEW AND UNUSUAL ATTITUDES

Objective: The student shall review maneuvers, basic instruments and recovery from unusual attitudes, both full and partial panel.

6. CROSS-COUNTRY SOLO

Objective: The student shall plan and execute a cross-country flight to at least two airports, one of them having a control tower.

7. REVIEW AND PRACTICE

Objective: The student shall review and practice those maneuvers previously learned, maintaining smoothness and perfecting coordination.

8. TAKEOFFS AND LANDINGS

Objective: The student shall practice various types of takeoffs and landings to build proficiency.

9. USE OF ADF

Objective: The student shall review use of the ADF radio for navigational purposes.

10. INTRODUCTION TO COMPLEX AIRCRAFT

Objective: The student shall be introduced to an aircraft of significantly different configuration, greater power, and greater complexity. (See Appendix 1A or Appendix 1B for supplemental material.)

11. CHANDELLES AND LAZY-8's IN COMPLEX AIRCRAFT

Objective: The student shall build skill and increase proficiency in complex aircraft.

12. LANDINGS AND PROFICIENCY IN COMPLEX AIRCRAFT

Objective: The student shall demonstrate PIC/solo competence in a complex aircraft.

13. CROSS-COUNTRY SOLO

Objective: The student shall plan and execute a cross-country flight to at least two airports. (At this time the BOI, BKE route can be flown if desired. See details on lesson 7-14 of handbook.)

14. SIMULATOR: REVIEW AND PRACTICE

Objective: The student shall practice individual and combination VOR/ADF tracking and intercept problems as assigned by the instructor to build further proficiency.

15. PRACTICE ASSIGNED MANEUVERS

Objective: The student shall gain further proficiency in various maneuvers.

16. PRACTICE ASSIGNED MANEUVERS

Objective: The student shall practice maneuvers in final preparation for the stage check.

17. STAGE 5 FLIGHT CHECK

Objective: The student shall demonstrate the ability to perform various maneuvers as assigned

DEPARTMENTAL GUIDELINES *(optional)*

Evaluation is by in flight demonstration of proficiency and completion of home assignments.

Grading:

Satisfactory performance of **in-flight** maneuvers, procedures, written test (at least 70%), and completion of home assignments _____Pass

Unsatisfactory performance of **in-flight** maneuvers, procedures, written test, or home assignments _____ Fail.

DIVISION CHAIR APPROVAL

DATE