

AVMT 263

Certificated Flight Instructor Instrument – Airplane

2 Credits

Community College of Baltimore County Common Course Outline

Description

AVMT 263 – Certificated Flight Instructor Instrument – Airplane: provides academic, flight, and simulator training required for the Federal Aviation Administration (FAA) Certificated Flight Instructor Instrument (CFII) Airplane rating. Topics include the fundamentals of student instruction, flight by reference to instruments, navigation systems, en route operations, instrument approaches, emergency procedures, and safety. This course has additional lab fees.

Pre-requisites: AVMT 233 and AVMT 238 and approval of the aviation program director

Co-requisites: AVMT 260 or approval of the aviation program director

Overall Course Objectives

Upon completion of this course, students will be able to:

1. discuss the elements of instructor professionalism, effective teaching, and learning;
2. describe the principles of student evaluation and testing;
3. discuss the key components of course development and lesson planning;
4. demonstrate fundamental classroom and in-flight training techniques;
5. evaluate FAA aeronautical certification standards for instrument rated airplane pilots;
6. explain flight by reference to instruments, instrument error, and emergency procedures;
7. describe the operation and function of aircraft navigation and communications systems;
8. explain instrument flight operations in the terminal and en route environment;
9. demonstrate the safe operation of an aircraft in instrument conditions; and
10. articulate the importance of good aeronautical decision-making and sound judgment.

Major Topics

- I. Effective teaching and learning
- II. Student evaluation and testing
- III. Course development and lesson planning
- IV. Classroom and in-flight training techniques
- V. FAA aeronautical certification standards required for airplane pilot licensure
- VI. Flight by reference to instruments, instrument error, and emergency procedures
- VII. Operation and performance of aircraft navigation and communications systems
- VIII. Instrument flight operations in the terminal and en route environment
- IX. Meteorology factors and critical weather situations
- X. Aeronautical decision-making and sound judgment

The Common Course Outline (CCO) determines the essential nature of each course.

For more information, see your professor's syllabus.

Course Requirements

Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- 2 examinations
- comprehensive final exam
- 2 writing assignments, such as flight plans, special topic papers, current event reports, article or textbook summaries, research or case study analysis papers, and personal journals
- 1 flight assessment

Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

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