

Common Course Outline
AVMT 263
Certificated Flight Instructor Instrument - Airplane
3 Credits

The Community College of Baltimore County

Description

AVMT 263 – 3 credits – Certificated Flight Instructor Instrument - Airplane presents academic, flight, and simulator training required for the Federal Aviation Administration (FAA) Certificated Flight Instructor Instrument (CFII) – Airplane rating. The course includes the fundamentals of student instruction, flight by reference to instruments, navigation systems, enroute operations, instrument approaches, emergency procedures, and safety. This course has additional lab fees.

3 credits: 3 lecture hours per week; approximately 25 hours per semester at a flight training center

Prerequisites: AVMT 246 and AVMT 247, or Aviation Program Coordinator approval.

Overall Course Objectives

Upon completion of this course students will be able to:

1. describe the elements of instructor professionalism, effective teaching, and learning;
2. identify the principles of student evaluation and testing;
3. explain the key components of course development and lesson planning;
4. identify fundamental classroom and in-flight instrument training techniques;
5. discuss FAA practical test standards and requirements for the instrument pilot rating;
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 enroute environment;
9. identify meteorology factors and critical weather situations; and
10. recognize the importance of good aeronautical decision making and sound judgment.

Major Topics

- I. Instructor professionalism, effective teaching and learning
- II. Student evaluation and testing
- III. Course development and lesson planning
- IV. Classroom and in-flight training techniques
- V. FAA practical test standards and requirements for the instrument pilot rating
- 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 enroute environment
- IX. Meteorology factors and critical weather situations
- X. Aeronautical decision making and sound judgment

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member but will include four (4) in-class examinations and two (2) practical evaluations.

Writing: The individual faculty member will determine specific writing assignments such as special topic papers, current events reports, article or textbook summaries, research analysis papers, and personal journals.

Students are required to utilize appropriate academic resources.

Other Course Information

This course is designed to be used as an elective or substituted course in the Aviation Management, Associate of Applied Science degree.

This course is taught in a classroom, simulator and flight environment.