

Common Course Outline
AVMT 261
Certificated Flight Instructor - Airplane
3 Credits

The Community College of Baltimore County

Description

AVMT 261 – 3 credits – Certificated Flight Instructor Airplane provides academic, flight, and simulator training required for the Federal Aviation Administration (FAA) Certificated Flight Instructor (CFI) Airplane rating. Topics include fundamentals of instruction, best practices in aeronautical instruction, professionalism, and FAA regulations relating to student flight training. 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 training techniques;
5. discuss FAA practical test standards for recreational, private, and commercial pilot certification;
6. explain basic aerodynamics and the principles of flight;
7. describe the operation and function of aircraft systems;
8. identify meteorology factors and critical weather situations;
9. explain the fundamentals of safe and efficient operation of aircraft; and
10. recognize 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 practical test standards for recreational, private, and commercial pilot certification
- VI. Aerodynamics and the principles of flight
- VII. Operation and functions of aircraft systems
- VIII. Meteorology factors and critical weather situations
- IX. Safety and the efficient operation of aircraft
- 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.