

## **AVMT 261**

### **Certificated Flight Instructor – Airplane Single Engine**

2 Credits

## Community College of Baltimore County Common Course Outline

### **Description**

**AVMT 261 – Certificated Flight Instructor – Airplane Single Engine:** provides academic, flight, and simulator training required for the Federal Aviation Administration (FAA) Certificated Flight Instructor (CFI) Airplane rating. Topics include best practices in aeronautical instruction, professionalism, and FAA regulations relating to student flight training. A valid FAA Medical Certificate is required. 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. describe the elements of instructor professionalism, effective teaching, and learning;
2. describe 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. evaluate FAA aeronautical certification standards for airplane pilots;
6. explain advanced aerodynamics and the principles of flight;
7. describe the operation and function of airplane systems;
8. identify meteorology factors and critical weather situations;
9. demonstrate the safe and efficient operation of aircraft; 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. Airplane aerodynamics and the principles of flight
- VII. Operation and functions of aircraft systems
- VIII. Meteorology factors and critical weather situations
- IX. Safe and efficient operation of aircraft
- 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 events 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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