

AVMT 265

Certificated Flight Instructor – Airplane Multi-Engine

2 Credits

Community College of Baltimore County Common Course Outline

Description

AVMT 265 – Certificated Flight Instructor – Airplane Multi-Engine: provides academic, flight, and simulator training required for the Federal Aviation Administration (FAA) Certificated Flight Instructor, Multi-Engine (MEI) Airplane rating. Topics include fundamentals of student instruction, pre-flight preparation, multi-engine airplane operations, complex aircraft systems, emergency procedures, safety, and post-flight procedures. A valid FAA Medical Certificate is required. This course has additional lab fees.

Pre-requisites: AVMT 233 and AVMT 257 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. identify fundamental classroom and in-flight multi-engine airplane training techniques;
5. evaluate FAA aeronautical certification standards for multi-engine airplane pilots;
6. explain the aerodynamics of multi-engine flight operations and engine-out procedures;
7. describe the operation and function of multi-engine airplane systems;
8. explain specific multi-engine flight procedures in the terminal and en route environment;
9. identify meteorology factors and critical weather situations; 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 multi-engine airplane pilot licensure
- VI. Aerodynamics of multi-engine flight operations and engine-out procedures
- VII. Operation and functions of multi-engine airplane systems
- VIII. Multi-engine airplane flight procedures
- 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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