

AVMT 133

Private Pilot Certification Airplane II

2 Credits

Community College of Baltimore County Common Course Outline

Description

AVMT 133 – Private Pilot Certification Airplane II: provides the final phase of flight and simulator training toward the completion of a Federal Aviation Administration (FAA) Private Pilot Certificate, Airplane category. Topics include single pilot resource management, cross country flying, unusual flight attitudes, night flying, basic instrument flying, short and soft field takeoffs and landings, and FAA Airman Certification Standards. A valid FAA Second Class Medical Certificate is required. This course has additional lab fees.

Pre-requisite: AVMT 132 and approval of the Aviation Program Director

Overall Course Objectives

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

1. employ single pilot resource management as the sole occupant of an aircraft;
2. interpret weather reports and forecasts when preparing for a cross country flight;
3. prepare a cross country navigation log and revise as needed in flight;
4. demonstrate the ability to create, file, and activate a flight plan;
5. demonstrate the ability to navigate using pilotage, dead reckoning, and radio navigation;
6. demonstrate flight by reference to instruments and unusual attitude recovery;
7. identify human factors concepts and considerations for night flying;
8. demonstrate short and soft field takeoff and landing techniques;
9. demonstrate risk management and sound judgement while on the ground and in-flight; and
10. demonstrate the level of flight proficiency required for an FAA Private Pilot Certificate.

Major Topics

- I. FAA Airman Certification Standards
- II. Cross country flight operations
- III. Radio and GPS navigation
- IV. Pilotage and dead reckoning
- V. Flight planning
- VI. Night flying
- VII. Unusual flight attitudes and recovery
- VIII. Basic instrument flying
- IX. Short and soft field takeoffs and landings
- X. Single Pilot Resource Management

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 skills-based evaluations
- 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

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.

Other Course Information

This course is a required course in the Associate of Applied Science Professional Pilot Airplane Aviation Technology Degree Program and an elective course in the Associate of Applied Science Professional Pilot Unmanned Aircraft Systems Aviation Technology Degree program.

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