

Common Course Outline
AVMT 244
Instrument Pilot Rating - Helicopter
3 Credits

The Community College of Baltimore County

Description

AVMT 244 – 3 credits – Instrument Pilot Rating - Helicopter provides academic, flight and simulator training towards the completion of the Federal Aviation Administration (FAA) Instrument Rating, Helicopter class. Topics include preflight preparation; air traffic control clearances and communications; flight by reference to instruments; navigation systems; instrument approach procedures; emergency operations; safety; and post flight procedures. This course has additional lab fees.

3 Credits: 3 lecture hours per week; approximately 45 hours at a flight training center

Pre-requisite: AVMT 144; Pre/Co-requisite: AVMT 24 or with Aviation Program Coordinator approval.

Overall Course Objectives

Upon completion of this course students will be able to:

1. demonstrate flight proficiency required for the FAA Instrument Pilot Rating;
2. describe proper preflight planning and procedures for flight given possible instrument conditions;
3. explain the function and operation of aircraft flight instruments;
4. simulate flight in reference to instruments;
5. exhibit the proper use of aircraft navigation equipment;
6. utilize proper enroute procedures;
7. explain airport approach procedures;
8. execute correct pilot-controller communications;
9. identify and assess meteorological factors and critical weather situations; and
10. recognize the importance of good aeronautical decision making and sound judgment.

Major Topics

- I. Preflight planning
- II. Operation and function of flight instruments
- III. Flight by reference to instruments
- IV. Navigation systems
- V. Air traffic control clearances and procedures
- VI. Enroute navigation
- VII. Instrument approach procedures

- VIII. Meteorology
- IX. Safety and emergency procedures
- X. Post flight procedures

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member but will include:

- Minimum of 4 in-class examinations
- Minimum of 2 practical evaluations.

Writing: The individual faculty member will assign a minimum of three writing assessments (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 a program requirement in the Professional Pilot-Helicopter Associate of Applied Science degree.

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

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