

Common Course Outline
AVMT 216
Aviation Safety

The Community College of Baltimore County

Description

AVMT 216 - 3 credits

Aviation Safety

Explores the causes of aircraft accidents including an overview of NTSB accident investigation procedures, the development of accident prevention programs, regulations and aviation safety; discusses aviation safety planning, safety awareness, and human factors leading to aircraft-related accidents.

Prerequisite: AVMT 101 and AVMT 141

Overall Course Objectives

Upon completion of the course the student must be able to:

- A. Understand the factors leading to aviation accidents
- B. Understand the development of accident prevention programs
- C. Understand human factors in aviation
- D. Identify government regulators involved with aviation safety
- E. Understand the importance of aeronautical decision making and CRM
- F. Identify systems and procedures to reduce accidents on aircraft.

Major Topics

- A. Aviation accident trends
- B. Government agencies involved in investigating accidents
- C. Regulations pertaining to aviation safety
- D. Safety planning and awareness
- E. Human factors and flight physiology
- F. CRM and aeronautical decision making
- G. Review and discussion of actual aircraft accident cases.

Course Requirements

- A. Mid-term and/or periodic examination
- B. Term paper and/or projects
- C. Comprehensive final examination
- D. Attendance and participation

