

Common Course Outline
AVMT 259
Comprehensive Aircraft Dispatcher
3 Credits

The Community College of Baltimore County

Description

AVMT 259 – 3 credits – Aircraft Dispatcher provides the practical skills and knowledge required for the FAA Aircraft Dispatcher certificate. Topics include aircraft scheduling, tracking, control, and aircraft performance computations. Software planning tools such as flight routing systems, crew scheduling, and weather analysis will be utilized. This is a full certification course for students not enrolled in the CCBC Aviation Program. Additional lab fees apply.

Prerequisite or Co-requisite: AVMT 101 or Aviation Program Coordinator approval.

Overall Course Objectives

Upon completion of this course students will be able to:

1. describe the performance criteria for various corporate and airline aircraft types;
2. demonstrate the proper use of flight planning and routing tools;
3. explain key components of the Federal Aviation Administration (FAA) regulations applicable to aircraft dispatching;
4. identify correct courses of action for given aircraft emergencies;
5. describe the elements of air traffic management, airspace, and flow control;
6. identify human factors associated with aircrew scheduling;
7. identify meteorological phenomena affecting airline operations;
8. explain the operation of various aircraft systems and navigation equipment;
9. discuss airline maintenance cycles, scheduling, and limitations; and
10. identify safety procedures and redundant systems applicable to airline operations.

Major Topics

- I. Aircraft performance
- II. Airline scheduling and flight planning software
- III. Publications and regulations applicable to airline operations
- IV. Airspace and Air Traffic Management
- V. Airline maintenance cycles and functions
- VI. Aviation meteorology
- VII. Human factors associated with flight operations
- VIII. Aircraft systems and avionics
- IX. Emergency procedures
- X. Safety considerations relating to airline operations

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member but will include three (3) in-class examinations and one (1) practical mission planning evaluation.

Writing: The individual faculty member will determine specific writing assignments such as 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 an elective or substituted course in the Aviation Management, Associate of Applied Science degree.

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