

AVMT 258

Aircraft Dispatcher I

3 Credits

Community College of Baltimore County Common Course Outline

Description

AVMT 258 - Aircraft Dispatcher I: provides an overview of the aeronautical knowledge required for the Federal Aviation Administration (FAA) Aircraft Dispatcher Certificate. Topics include regulations, flight publications, airspace, aerodynamics, aircraft systems, meteorology theory, air traffic control, navigation systems, instrument flight procedures, and aviation safety.

Pre-requisites: AVMT 231 or approval of the aviation program director

Overall Course Objectives

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

1. interpret Federal Aviation Administration (FAA) regulations applicable to aircraft dispatching;
2. select charts, manuals, and flight publications applicable to aircraft dispatching;
3. describe the characteristics of fronts, cloud formations, icing, and upper air jetstream winds;
4. explain the dissemination of weather reports and forecasts;
5. assess meteorological phenomena affecting airline operations;
6. describe the elements of air traffic management, airspace, and flow control;
7. contrast the function and operation of various aircraft systems;
8. evaluate the function and limitations of various aircraft navigation systems;
9. discuss instrument departure, arrival, en route, and approach procedures; and
10. identify safety procedures and systems applicable to airline operations.

Major Topics

- I. Regulations
- II. Aeronautical charts, manuals, and flight publications
- III. Airspace and Air Traffic Management
- IV. Meteorology theory
- V. Aviation meteorological hazards
- VI. Weather reporting
- VII. Aircraft systems
- VIII. Aircraft navigation equipment
- IX. Instrument procedures
- X. Safety considerations relating to airline operations

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, 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.

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