



Course Description

AVM2410 | Principles of Airport Management | 3.00 credits

This course provides the student with a broad background in the Principles of Airport Management. This includes the airport system and its history, planning, land use, community relation issues, financial issues, capacity and growth, operations, organization and administration.

Course Competencies:

Competency 1: The student will demonstrate the required knowledge and understanding of airport management by:

1. Summarizing the historical development of airports in the United States
2. Defining the classification of airports and their economic role
3. Discussing the importance of integrating airport planning from the federal, state, and local levels to develop the airport system
4. Recalling the critical elements that go into the master planning process
5. Analyzing airport layout and land use plans in the master planning process
6. Listing the elements that comprise the terminal area and airport access plans
7. Describing overall operating and capital expenditure programs
8. Explaining airport capacity and growth, as well as delay factors
9. Identifying airside and landside management issues
10. Examining and discussing airport administration
11. Pointing out the various airport operations handled by management

Competency 2: The student will demonstrate the ability to work within airport management by:

1. Defining the significance of the Kelly Act of 1925 and the Air Commerce Act of 1926
2. Identifying ten prominent airport information sources and briefly describing their functions
3. Describing the purpose and listing the "levels of need" under NASP. D
4. Interpreting the airport master plan and recognizing the significant components of the first and second phases
5. Listing the ten factors that must be considered in preparing an environmental impact statement
6. Recalling the significant items included in an airport layout plan drawing
7. Explaining each of the so-called imaginary surfaces described in FAR part 77
8. Listing and briefly describing five (5) potential airport revenue sources
9. Comparing administrative management and demand management approaches to reducing delay
10. Summarizing the primary responsibility and the principal duties of the following positions: airport director, assistant director-finance and administration, assistant director-operations, and assistant director - maintenance
11. Describing the minimum CFR requirements under FAR part 139 and under FAR part 107

Competency 3: The student will produce reasoned, critical responses to common concerns in airport management by:

1. Analyzing and solving problems assigned by the instructor related to airport management (the solution(s) given by the student will count towards the final grade of the course)
2. Interpreting airport layout and land use plans
3. Discussing various technological advances and their impact on airport management

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning