



Broward Community College

Course Outline

STATUS: A

COMMON COURSE NUMBER: AVM 1940

COURSE TITLE: Airport Operations Internship I

CREDIT HOURS: 3

CONTACT HOURS BREAKDOWN:

Lecture/Discussion	<u> </u>
Lab	<u> </u>
Other	<u> 144 </u>
Contact Hours/Week	<u> 9 </u>

CATALOG COURSE DESCRIPTION:

Prerequisite: completion of the Airport Operation Management program sheet's first year requirement to include: AVM2301, AVM2410 and AVM1440 or, permission of instructor.

Co requisite: None

Practical applicable of acquired knowledge at a certificated airport. Student exposed to airside related environment including airfield inspections, security inspections and enforcement, air traffice control system, navigational aids, airspace inspections & familiarizations, wildlife issues, environmental impacts. Landside such as parking management, ground transportation systems, operational contract administration, revenue systems, equipment monitoring, and bus operations. Terminal building operations including, physical building inspections, passenger services, passenger flow characteristics, tenant and contractual lease requirements and security of passenger terminals. The student is introduced to airport maintenance programs and systems as well as the General Aviation environment. Prerequisite: Permission of Instructor and prerequisite's. Requires special application and criminal background check

UNIT TITLES:

1. Airside Operations
2. Landside Operations
3. Terminal Operations
4. Airport Security
5. Airport Maintenance

I. Course Overview:

Upon successful completion of this course, the students should be able to thoroughly understand airport operations and maintenance, including inspection of facilities and repair techniques; how federal regulations govern actions on airports, including emergency response criteria; they will experience responses to aircraft, building, security and medical emergencies and view the incident command structure; and have a good understanding of the responsibilities of maintenance and repair methodologies.

II. Units:

Unit 1. Airside Operations

General Outcome:

- 1.0 The students should be able to understand airside operations including compliance with FAR Part 139, Aircraft Rescue and fire fighting issues, operating in an aircraft/vehicle environment, security and safety enforcement.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 1.1 Identify criteria for airfield inspections.
- 1.2 Identify ARFF criteria.
- 1.3 Detail airport security requirements.
- 1.4 Describe safe ramp driving practices.
- 1.5 Identify wildlife issues.
- 1.6 Conduct inspections.
- 1.7 Respond to emergencies.
- 1.8 Conduct airspace inspections.

1.9 Evaluate the affects of construction on airports.

Unit 2. Landside Operations

General Outcome:

2.0 The students should be able to understand Landside operations to include parking operations, revenue control, ground transportation challenges, contractual monitoring and obligations, traffic control, and facility monitoring.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 2.1 Conduct inspections of parking facilities.
- 2.2 Analyze parking conditions and monitor rapidly changing conditions.
- 2.3 Monitor revenue control equipment.
- 2.4 Monitor transportation contracts including taxi, shared ride limousine, and shuttle operations.
- 2.5 Monitor airport access roadways and congestion.

Unit 3. Terminal Operations

General Outcome:

3.0 The students should be able to better understand the effective operation of airport terminal facilities including inspections, leasehold compliance, passenger safety, passenger security, and customer service.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 3.1 Conduct inspections of terminal facilities.
- 3.2 Recognize and understand potential ramifications of safety hazards.
- 3.3 Explain the liability of terminal operations.
- 3.4 Respond to security issues and violations.
- 3.5 Define leasehold compliance.
- 3.6 Describe passenger service and maintain optimum customer service levels.
- 3.7 Recognize passenger flow characteristics.
- 3.8 Explain airport tenant relationships.

Unit 4. Airport Security

General Outcome:

4.0 The students should be able to have a good understanding of airport security, reasons for security, and security enforcement. This will be accomplished through exposure to Airside, Landside, and Terminal Operations.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 4.1 Discuss airport security.
- 4.2 Recognize the need for airport security.
- 4.3 Detail security enforcement.
- 4.4 Apply security needs to the three 3) major areas of airport operations: Airside, Landside and Terminal Operations.

Unit 5. Airport Maintenance

General Outcome:

- 5.0 The students should be able to increase their awareness of the requirements to maintain an airport in a safe, secure and efficient manner.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 5.1 Identify security violations.
- 5.2 Identify security hazards and methods for repair.
- 5.3 Identify requirements under FAR Part 139 and 107 governing repair work.
- 5.4 Explain potential problems due to disrepair.
- 5.5 Discuss challenges facing airport maintenance departments to include electrical, plumbing, HVAC Systems, and general maintenance.
- 5.6 Explain and identify the importance of building aesthetics.