

Master Syllabus

AVT 2146 - Introduction to Airline Operations

Division: Science, Mathematics and Engineering

Department: Aviation Technology

Credit Hour Total: 3.0

Lecture Hrs: 3.0

Date Revised: October 2017

Course Description:

An introduction to the structure of an airline, including the functions of the operational control center, airline marketing, maintenance control, fleet planning and scheduling, dispatch release, airline operating certificates and specifications, Part 121 Federal Aviation Regulations and an understanding of the principles and concepts of crew and dispatcher resource management (CRM) through interactive discussion and scenario analysis as it relates to aircraft dispatchers and airline flight crews.

General Education Outcomes:

- ▣ Critical Thinking/Problem Solving Competency
- ▣ Values/Citizenship/Community Competency
- ▣ Information Literacy Competency
- ▣ Oral Communication Competency
- ▣ Written Communication Competency
- ▣ Computer Literacy Competency

Course Outcomes:

Function of the operational control center

Comprehend and demonstrate a basic understanding of operational control, dispatcher release, and airline operating certificates and specifications.

Assessment Method: Locally developed exams

Performance Criteria: Score 70% or higher on exams

Part 121 Federal Aviation Regulations

Comprehend and demonstrate an understanding of Part 121 Federal Aviation Regulations as they pertain to airline operations, including hazardous materials, flight crew duty time, and dispatch release procedures and operating regulations.

Assessment Method: Locally developed exams

Performance Criteria: Score 70% or higher on exams

Crew resource management

Comprehend, analyze, and demonstrate an understanding of concepts of crew and dispatcher resource management and crew resource management markers through interactive discussion and scenario analysis as it relates to aircraft dispatchers and airline flight crews.

Assessment Method: Locally developed exams

Performance Criteria: Score 70% or higher on exams

Structure of an airline

Comprehend, analyze, and demonstrate a basic understanding of an airline, including the functions of the operational control center, airline marketing, maintenance control, fleet planning and scheduling.

Assessment Method: Locally developed exams

Performance Criteria: Score 70% or higher on exams

Outline:

Structure of an airline
Function of the operational control center
Fleet planning and scheduling
Airline operating certificates and specifications
Part 121 Federal Aviation Regulations
Principles and concepts of crew and dispatcher resource management