

Master Syllabus

AVT 1140 - Introduction to Business Aviation

Division: Science, Mathematics and Engineering

Department: Aviation Technology

Credit Hour Total: 2.0

Lecture Hrs: 2.0

Date Revised: October 2012

Course Description:

Overview of International Civil Aviation Organization (ICAO) definitions of aviation activities; definition of business and private aviation, reasons for using business aviation, the actual costs of use versus airlines and other modes of transportation, differences from job opportunities in other areas of aviation, opportunities for specific kinds of jobs from architect to aero engineering, discussions with professionals from the field.

General Education Outcomes:

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

Course Outcomes:

Definitions and reasons for business aviation

Demonstrate knowledge of the different kinds of worldwide aviation uses and where business aviation fits into that set of uses as well as the reasons business aviation continues to grow because of the real needs for its existence.

Assessment Method: Locally developed exams

Performance Criteria: 70% or higher correct response on all questions

Cost and benefits of business aviation

Demonstrate knowledge of the different costs, components of these costs, and off-setting benefits that explain the wide use and existence criteria for business aviation with a majority of the world's largest businesses.

Assessment Method: Locally developed exams

Performance Criteria: 70% or higher correct response on all questions

Assessment Method: Oral examination

Performance Criteria: Mastery of competency to 100%

Operational modes for business aviation

Demonstrate knowledge of the different modes of operation, the effects on costs, the components of these costs, and the benefits of that specific mode when compared to other modes.

Assessment Method: Locally developed exams

Performance Criteria: 70% or higher correct response on all questions

Assessment Method: Oral examination

Performance Criteria: Mastery of competency to 100%

Outline:

Types of aviation existing in the world
Advantages of using business aviation compared to other modes
Costs of business aviation (generic)
The different vehicles used in business aviation, small to large
The different types of uses and specific examples of services
Job opportunities in business aviation
Extreme variation of types of jobs available - aero engineer to chef
The modes of practicing businesses - charter, management, owned
How to examine and determine real costs
Organizations associated with business aviation
Manufacturers of business aviation vehicles
Support and infrastructures required