**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

# GENERAL COURSE INFORMATION

Course Number: MLTR 1401

Course Title: Air Load Planner

Credit Hours: 5

Prerequisite: None

Division/Discipline: Military Programs

Course Description: This course provides an overview of responsibilities as an Air Load Planner representative. The course is designed to educate unit movement representatives with the knowledge and skills required to conduct airlift planning as part of a joint airlift operations.

# INSTRUCTION INFORMATION

# CLASSROOM POLICIES

Students and faculty of Barton Community College constitute a special community engaged in the process of education. The College assumes that its students and faculty will demonstrate a code of personal honor that is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

Plagiarism on any academic endeavors at Barton Community College will not be tolerated. The student is responsible for learning the rules of, and avoiding instances of,

intentional or unintentional plagiarism. Information about academic integrity is located in the Student Handbook.

The College reserves the right to suspend a student for conduct that is determined to be detrimental to the College educational endeavors as outlined in the College Catalog, Student Handbook, and College Policy & Procedure Manual. (Most up-to-date documents are on available on the College webpage.)

Any student seeking an accommodation under provisions of the Americans with Disabilities Act (ADA) is to notify Student Support Services via email at [disabilityservices@bartonccc.edu](mailto:disabilityservices@bartonccc.edu).

# COURSE AS VIEWED IN THE TOTAL CURRICULUM

This course is a structured learning experience designed to prepare students to perform the duties and responsibilities for airlift planning and movements. The student will learn the techniques, and procedures using ICODES to develop air load plans for passenger, and cargo equipment in support of peacetime and wartime operations. Students will leave this course with the knowledge of how to plan for airlift movements.

The transferability of all courses will vary among institutions, and perhaps even among departments, colleges, or programs within an institution. Institutional requirements may also change without prior notification. Students are responsible to obtain relevant information from intended transfer institutions to insure that the courses the student enrolls in are the most appropriate set of courses for the transfer program

# ASSESSMENT OF STUDENT LEARNING / COURSE OUTCOMES

Barton Community College is committed to the assessment of student learning and to quality education. Assessment activities provide a means to develop an understanding of how students learn, what they know, and what they can do with their knowledge. Results from these various activities guide Barton, as a learning college, in finding ways to improve student learning.

Course Outcomes, Competencies, and Supplemental Competencies

1. Determine roles and responsibilities of an Air Load Planner.
   1. Identify air movement authorities for deployments and types of movements.
   2. Describe safety aspects for troop movement and risk management.
2. Outline the systems and procedures used for cargo movements by air.
   1. Explain the characteristics of a 436L pallet and nets.
   2. Describe the proper procedures for storing and handling 436L pallets and nets.
   3. Demonstrate proper pallet building procedures.
   4. Explain how to prepare equipment for air movement.
   5. Explain how to properly document and inspect cargo.
3. Identify various types of material handling equipment used for aircraft loading procedures.
   1. Identify the different characteristics for each piece of material handling equipment available for loading aircraft.
   2. Outline the roles and responsibilities for which organizations provide material handling equipment.
4. Determine proper use of shoring to prevent exceeding aircraft limitations.
   1. Distinguish between different types of shoring.
   2. Describe each of the four categories of shoring.
   3. Explain the reason for selecting the appropriate type of shoring for cargo shipment.
5. Determine roles and responsibilities of the different areas involved in the departure airfield operations process.
   1. Explain the marshaling process.
   2. Outline the different stages of the departure airfield operations process.
   3. Identify the various areas at a departure airfield.
6. Understand the objectives of safety procedures when operating around aircraft.
7. Explain the safety aspects associated with loading aircraft and operating vehicles on the flight line.
8. Describe the different types of hazards associated working on the flight line.
9. Summarize the equipment and requirements of the load team members.
10. Identify and apply proper weighing and marking of cargo for airlift operations.
    1. Explain and compute the center of balance formulas used for vehicles and equipment.
    2. Explain how to measure distances to determine center of balance.
    3. Describe how to weigh and mark cargo for air movement.
    4. Demonstrate how to properly enter data onto placards and labels used for cargo.
    5. Describe the consequences of improperly weighed and marked cargo.

# INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS

# TEXTBOOKS AND OTHER REQUIRED MATERIALS

# REFERENCES

# METHODS OF INSTRUCTION AND EVALUATION

# ATTENDANCE REQUIREMENTS

# COURSE OUTLINE