



# Broward Community College

## Course Outline

STATUS:   A  

COMMON COURSE NUMBER:           AFR 2130          

COURSE TITLE:   Second Year Air Force ROTC (A)  

CREDIT HOURS:           1          

**CONTACT HOURS BREAKDOWN:**

Lecture/Discussion           16          

Lab                   16          

Other                   \_\_\_\_\_          

Contact Hours/Week           2          

**CATALOG COURSE DESCRIPTION:**

This course examines general historical aspects of air and space power. The course covers a time period from the first balloons and dirigibles to the space age. Examples are provided to demonstrate the historical events leading to the modern-day U.S.A.F. An additional focus will be on Air Force core values. Past Air Force operations and the acts of historical Air Force leaders will be points of discussion. A leadership laboratory is included and provides cadets with leader/follower experiences. Instruction is at the University of Miami campus (Phone: 305-284-2870).

Prerequisite: None

Corequisite: None

**UNIT TITLES:**

1. Administration and Course Overview
2. Air and Space Power Defined
3. Early Flight to World War I
4. Advent of the Air age: WWI
5. Interwar Years and the Development of Air Doctrine
6. Air Power in World War II
7. European Theater and Pacific Theater in World War II
8. The Berlin Airlift "Operation Vittles"
9. LeMay, Korea and the ICBMs
10. Air and Space Power Revisited

## **I. Course Overview:**

Upon successful completion of this course, the students should be able to demonstrate an understanding of the key terms and definitions used to describe air and space power; explain the events, leadership, and technical developments that surrounded the evolution and employment of USAF air and space power; and explain the Air Force core values giving examples of their use throughout the evolution of US Air and Space power.

## **II. Units:**

### **Unit 1. Administration and Course Overview**

#### General Outcome:

- 1.0 The students should be able to explain the course material to be covered and course requirements to be met.

#### Specific Learning Outcomes:

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

- 1.1 State the course objectives.
- 1.2 Explain the instructors grading criteria.
- 1.3 Describe course concepts.
- 1.4 Identify proper classroom conduct and procedures.
- 1.5 List student assignments and testing requirements.

## Unit 2. Air and Space Power Defined

### General Outcome:

- 2.0 The students should be able to discuss the definition of air and space power and the components that help describe it.

### Specific Learning Outcomes:

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

- 2.1 State the basic definition of air and space power.
- 2.2 List the core competencies.
- 2.3 Define air and space doctrine.
- 2.4 List the Principles of War and Tenets of Air and Space Power.

### **Unit 3. Early Flight to World War I**

#### General Outcome:

- 3.0 The students should be able to discuss the key events and personalities that formed the history of the USAF from lighter-than-air aviation to the beginning of World War I.

#### Specific Learning Outcomes:

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

- 3.1 List the military uses of lighter-than-air vehicles such as balloons and dirigibles.
- 3.2 Describe the significance of the Wright Brothers heavier-than-air flying machine.
- 3.3 Explain the U.S. Army's reaction to the Wright Brothers heavier-than-air flying machine.
- 3.4 List the requirements for the first military airplane as presented in the Signal Corp's Specification No. 486.

## Unit 4. Advent of the Air Age: WWI

### General Outcome:

- 4.0 The students should be able to discuss the significance of airpower prior to and during World War I.

### Specific Learning Outcomes:

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

- 4.1 Describe the early uses of the airplane during World War I.
- 4.2 Describe the general condition of the Air Service at the start of WWI.
- 4.3 Define strategic bombing and describe the allied bombing campaign against Germany.
- 4.4 List the major ideas espoused by Guilio Douhet and Billy Mitchell following WWI.

## Unit 5. Interwar Years and the Development of Air Doctrine

### General Outcome:

- 5.0 The students should be able to discuss the significance of airpower during the Interwar Years.

### Specific Learning Outcomes:

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

- 5.1 Describe the general mood of the country and the condition of the Air Service at the end of WWI.
- 5.2 Identify the major contribution of Brig. Gen Billy Mitchell made toward the autonomy of the Air Force.
- 5.3 State the mission of the Air Corps Tactical School (ACTS).
- 5.4 Outline the key theories of ACTS staff members in the 1930s.
- 5.5 List the significance of the Army Reorganization Act of 1920, the Air Corps Act of 1926 and the establishment of the General Headquarters Air Force in 1935.

## Unit 6. Airpower in WWII

### General Outcome:

- 6.0 The students should be able to discuss how America was preparing for war in 1940 and 1941.

### Specific Learning Outcomes:

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

- 6.1 State that Air Plans Division Plan #1 (AWPD-1) set forth specific air doctrine.
- 6.2 Describe the bombardment concept of AWPD-1.
- 6.3 List the four key target sets specified in AWPD-1.
- 6.4 State the significance of combining GHQ Air Force and the Army Air Corps on 20 June, 1941.

## Unit 7. European Theater and Pacific Theater in World War II

### General Outcome:

- 7.0 The students should be able to explain how airpower was employed in the European Theater and Pacific Theater in World War I.

### Specific Learning Outcomes:

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

- 7.1 State the allied strategy for winning WWII.
- 7.2 Describe the role of allied airpower in the North African campaign.
- 7.3 State the most important lessons in air warfare learned in North Africa.
- 7.4 Describe the strategic bombing offensive against Germany.
- 7.5 Explain the strategic bombing lessons in Europe.
- 7.6 Describe the allied strategy to defeat Japan in the Pacific.
- 7.7 Describe the use of tactical airpower in the Pacific theater during WWII.
- 7.8 Describe the use of strategic airpower in the Pacific Theater during WWII.

## Unit 8. The Berlin Airlift “Operation Vittles”

### General Outcome:

- 8.0 The students should be able to discuss the Berlin airlift as the first major confrontation of the Cold War.

### Specific Learning Outcomes:

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

- 8.1 Explain the significant events leading up to the Berlin airlift.
- 8.2 Discuss the Soviet action taken in the blockading of Berlin.
- 8.3 Describe the Western Allies response to the Berlin blockade.
- 8.4 List some Air Force successes during the Berlin Airlift.
- 8.5 Discuss the airpower significance of the Berlin Airlift.

## Unit 9. LeMay, Korea & the ICBMs

### General Outcome:

- 9.0 The students should be able to explain the role of USAF airpower during the Korean War, describe the importance of Strategic Air Command (SAC) and recognize the development of Intercontinental ballistic missiles (ICBMs) as a weapon.

### Specific Learning Outcomes:

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

- 9.1 Identify Gen. LeMay's accomplishments and impact on the Air Force.
- 9.2 Explain the reason for U.S. intervention in the Korean conflict.
- 9.3 Describe the significance of U.S. air superiority in "MIG Alley" during the Korean War.
- 9.4 Describe the contributions to airpower as a result of the Korean conflict.
- 9.5 Discuss the significance of the Korean conflict on U.S. defense policy.
- 9.6 Realize the effect the Soviet threat had on U.S. missile development.
- 9.7 Identify which missile became the mainstay of SAC's missile retaliatory force.

## Unit 10. Air and Space Power Revisited

### General Outcome:

- 11.0 The students should be able to explain the significance of airpower events discussed this semester and their relation to the CFD model.

### Specific Learning Outcomes:

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

- 11.1 Discuss the CFD model through the Korean War.
- 11.2 Discuss the chief contributors of airpower during approximately the first half of the 20<sup>th</sup> century.