

## 0NC-032, AFJROTC COURSE SYLLABUS

### AEROSPACE SCIENCE I: JOURNEY INTO AVIATION HISTORY

The first year is a history course designed to acquaint the student with the historical development of flight and the role of the military in history. About three-quarters of the available classroom hours are spent reviewing the development of flight from ancient legends through the Persian Gulf War and beyond. Additionally, the role of the military throughout the history of the United States is identified. **Monday** is the Uniform Inspection Day for cadets unless changed by the SASI. Effective: Aug 2016

#### The Course Objectives are:

1. Know the legends of people's attempts to fly in ancient civilizations throughout the world and the first record of scientific study, first flights, and the impact aviation had on the conduct of war during the period 1775-1898.
2. Know the United States' position at wartime and how wars brought about the development of new weapons, new methods of warfare, new aircraft, more pilots, and the need for pilot training.
3. Comprehend the U.S. policy of containing the spread of communism and the role of air power during the Korean War, the Cuban Missile Crises, and the Vietnam War.

#### Units Covered

- a. Unit 1: Imagining Flight; Chapter 1
- b. Unit 2: Exploring Flight; Chapter 2 & 3
- c. Unit 3: Developing Flight Chapter 4 & 6
- d. Unit 4: Extending Flight; Chapter 8

**Grading:** The history portion of the course counts 40% of the AFJROTC grade and will be graded by the SASI. The Leadership Education portion counts 40% and will be graded by the ASI. Wellness will be 20% of the AFJROTC grade and will be graded by both instructors.

#### **Grading Policy (current for AY 2016/2017)**

1. Academic/Leadership Tests	25%
2. Workbook assignments, Class work, Quizzes	20%
3. Uniform Inspections	35%
5. Drill/Health & Wellness	20%

**Wellness:** Health and Wellness is an official part of the Air Force Junior ROTC program. It is an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated with age and gender. The program at NC-032 also seeks to address the mental and spiritual aspects of individual wellness through relaxation and teambuilding activities. Wellness is instrumental in developing citizens of character dedicated to serving our nation and communities. **Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education.** The Wellness Program is a 18-week program modifiable to meet individual goals. Personal improvement will be rewarded. The 18-week program is comprised of several exercises which can be conducted with minimal space and with minimal climate dependency (e.g. the 1-mile run). The exercises develop all muscle groups and provide sufficient anaerobic and aerobic intensity. They require no equipment and use only body weight and common objects (e.g. chairs).

Instructors: **Capt Timothy Peedin**

**CMSgt Thomas Bridgers**