

# AIR FORCE JUNIOR ROTC (NC-023)

## COURSE SYLLABUS

**SY-2025**

### **COURSE NAME: AFJROTC, I-IV**

The Mission of Air Force JROTC is to develop citizens of character.

**CREDIT HOURS:** 1 Elective Credit

**INSTRUCTORS:** MSgt William Waidner/Col George Schantz

**COURSE DESCRIPTION:** AFJROTC curriculum consists of three components: Aerospace Science (40%), Leadership Education (40%), and Wellness/Physical Fitness (20%).

**Aerospace Science:** For the SY 2025, and in accordance with the 7 year curriculum plan, AS300: Exploring Space: The High Frontier (2<sup>nd</sup> Edition) will be taught this year. This Aerospace Curriculum will touch on Prehistoric and Classical Astronomy through the Renaissance period, to the age of enlightenment and modern Astronomy. It will also discuss the Solar System; Space Exploration; Current Space Programs around the globe; the International Space Station; Space Probes and Robotics in Space; Orbiting, Space Travel, and Rockets; and Cyber Security for a future space force.

**Leadership Education I** introduces the student to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program, while instilling elements of good citizenship, develops informed citizens; strengthens and develops character; develops study habits and time management; wear of the Air Force uniform; and Air Force customs, courtesies and drill skills are introduced. Additionally, cadets will be taught the fundamentals of Drill and Ceremonies. This portion of the course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of the command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn drill. Most of the work is to be hands-on.

**Drill and Ceremony:** Cadets will learn basic military marching, drill movements, and will learn how to call and execute the 20 and 32 command drill sequence.

**Wellness/Physical Fitness:** will follow the Cadet Health and Wellness Program (CHWP). The CHWP is an exercise program focused upon individual base line improvements with the goal of achieving a Presidential Physical Fitness standard calculated with age and gender. The goal of the CHWP is to motivate JROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education I. Students **WILL** wear the Air Force JROTC uniform weekly (all day on Wednesdays) and any **issued** PT uniform during class on Fridays.

### **COURSE OBJECTIVES AND GOALS:**

1. Know the importance of AFJROTC history, mission, purpose, goals, and objectives.
2. Military traditions and the importance of maintaining a high standard of dress and appearance.
3. Why attitude, discipline, respect, values and ethics are so important.
4. Know the importance of individual self-control, common courtesies and etiquette.
5. Know that an effective stress management program improves the quality of life.
6. Know why courtesies are rendered to the United States flag and the National Anthem.
7. Know the importance of keeping yourself well and helping others stay well.
8. Know the importance of drill and ceremonies.

9. Know basic commands and characteristics of command voice.
10. Apply and execute the concepts and principles of basic drill positions and movements.
11. Know when and how to salute.

### **Wellness and Physical Fitness**

1. Motivate AFJROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives.
2. Create an individualized training program based on national standards by age and gender.
3. Identify areas of improvements for each cadet.
4. Incorporate a physical training program to reach goals.

**GRADING PROCEDURES:** Grades from the Aerospace Science portion of the course count 40% of the AFJROTC final grade and will be graded by the SASI. The Leadership Education portion of the grade counts 40% of the final grade and will be graded by the ASI. The wellness portion of the program counts for the remaining 20% of the final grade and will be graded by the SASI and/or ASI. Drill will be evaluated by the ASI and the SASI. **HABITUAL NON-WEAR OF THE UNIFORM AND FAILURE TO MAINTAIN STANDARDS WILL RESULT IN A FAILING GRADE AND DISMISSAL FROM THE PROGRAM.** Grades are computed in accordance with standard district grading policy, which is on a 10-point scale.

**UNIFORM WEAR (Major Grade):** Uniform wear is a large part of the Air Force JROTC program. ALL cadets are required to wear the appropriate uniform each Wednesday, from the start of the school day until released. Makeup uniform days are the following Thursday through Tuesday for cadets that were absent on a uniform day. Cadets who show up for a Wednesday class not wearing their uniform will not be allowed to make up the uniform grade unless extenuating circumstances are provided. Failing to wear the uniform all day will result in a “0” (zero) grade for that uniform day. Multiple failures to wear your uniform can lead to disenrollment from the course. Cadets are required to wear their issued Physical Fitness uniforms on Fridays during their JROTC class, unless otherwise directed. Failure to return uniforms as the cadet received them (dry cleaned or laundered) by the end of the course/year will result in an overall “I” incomplete grade for the course and the Assistant Principal notified. Additionally, the student will be placed on the “**Overdue Fees**” list until the Air Force uniforms are paid for or returned.

**CLASS ATTENDANCE, PREPARATION AND PARTICIPATION (Daily Grade):** Today’s workforce does not earn a paycheck unless they show up ready for work. Cadets earn grades commensurate with their class participation and effort. Cadets who are not present or prepared cannot participate fully in class. This is especially true for drill and physical fitness. Class preparation includes cadet adherence to proper daily grooming standards as outlined in Air Force Instruction and school dress code.

**QUIZZES (Daily Grade):** Daily quizzes may be administered throughout the course. Quizzes will cover all material taught since the last quiz or test.

**HOMEWORK/CLASSWORK:** Assignments are due at the beginning of the class period, unless otherwise directed or the cadet has an excused absence that day. For excused absences, the assignment will be due on the next class day that the cadet is present. Assignments not turned in on the due date because of an unexcused absence will receive a “0” (zero) grade for that assignment.

**COMMUNITY SERVICE:** Cadets will have multiple opportunities to perform Air Force JROTC sponsored community service during each semester.

**CURRICULUM IN ACTION TRIPS (CIA)/FIELD TRIPS:** Throughout the semester, the cadets will have opportunities to participate in school-sponsored activities that serve as an extension of the AFJROTC curriculum. These trips may include Seymour Johnson AFB,

Museum Trips, etc. Cadets must be in good academic and disciplinary standing to participate. Cadets who are doing poorly in a class (D or F) will not be allowed to go on JROTC sponsored trips because they would be better served going to the class they are doing poorly in.

**CLASS BEHAVIOR:** The nature of the AFJROTC mission, as well as its high visibility within the school and community, requires its members to adhere to higher standards than might be found among the student population. **Inappropriate behavior**, in or out of uniform, is prohibited while in participating in AFJROTC. This behavior includes, but is not limited to, consuming alcohol, drug abuse, tobacco use, horseplay, public displays of affection, fighting, disparaging remarks, insubordination, disrespect, verbal threats and physical attacks.

### **EXPECTATIONS FOR CADETS**

1. Follow the chain of command (i.e. cadet Flight Leader, Squadron Commander, Group Commander).
2. Always use the titles sir/ma'am when addressing AFJROTC staff and senior ranking cadets.
3. Be on time. Don't be late to class, scheduled events, practices, etc.
4. Always bring your required items to class (notebook, pen/pencil, textbook, etc).
5. Wear the correct uniform on the appropriate day.
6. Place personal belongings under your desk – nothing in the aisle.
7. Raise your hand and wait to be acknowledged; do not talk without permission.
8. Listen respectfully to the speaker/presenter or fellow cadets when they are speaking.
9. Treat others with mutual respect. Profanity, vulgar language, racial or ethnic slurs, derogatory comments, sexual harassment, or harassment of any fellow cadet or student will not be tolerated.
10. Remain in your seat unless given permission to move about the room
11. Remain professional; do not sit on desks, tables, trash cans, etc.
12. Unauthorized personnel are not allowed in the staff offices.
13. Always use the trash can to dispose of trash. If you see trash on the floor, clean it up.
14. No eating, drinking and **ABSOLUTELY** no **CHEWING GUM** in the classroom.
15. Wearing hats or sunglasses indoors is prohibited.
16. Maintain loyalty to the Corps, school, and your values.
17. No horseplay in the AFJROTC areas.
18. Maintain self-control and your self-respect at all times.
19. Do not disrespect instructors, higher-ranking cadet officers and NCOs.

### **COURSE OFFERINGS FOR SY 2025**

#### **LEADERSHIP EDUCATION:**

**INSTRUCTOR NAME: MSgt William Waidner**

**COURSE MATERIAL: LE 100, 200, 300, and 400 text books, AF Manual 36-2203, Personnel Drill and Ceremonies, V-2627**

#### **Leadership Education 100: Traditions, Wellness, Foundations of Citizenship**

- Chapter 1: Introduction to JROTC Programs (pg. 5)
- Chapter 2: Personal Behavior (pg. 120)
- Chapter 3: Be Health Smart (pg. 204)
- Chapter 4: Making Safe, Drug-Free Decisions (pg. 296)
- Chapter 5: The Foundations of United States Citizenship (pg. 382)

#### **Leadership Education 200: Communication, Awareness, and Leadership**

- Chapter 1: Learning and Communication (pg. 4)
- Chapter 2: Communicating Effectively (pg. 40)
- Chapter 3: Understanding Your Attitude (pg. 96)
- Chapter 4: Understanding Your Actions (pg. 136)

#### **Leadership Education 300: Life Skills and Career Opportunities**

- Chapter 1: Charting Your Financial Course (pg. 3)

Chapter 2: Managing Your Resources (*pg.* 51)  
Chapter 3: Career Opportunities (*pg.* 89)  
Chapter 4: Aiming Towards a College Degree (*pg.* 151)

**Leadership Education 400: Principles of Management**

Chapter 1: Introduction to Management (*pg.* 2)  
Chapter 2: The Historical Roots of Contemporary Management Practice (*pg.* 26)  
Chapter 3: The Management Environment (*pg.* 50)  
Chapter 4: Foundations of Planning (*pg.* 82)  
Chapter 5: Foundations of Decision Making (*pg.* 110)

**AF Manual 36-2203, Personnel Drill and Ceremonies, V-2627** Chapters 1 – 3

**Aerospace Science (AS) 300: Exploring Space: The High Frontier**

**INSTRUCTOR NAME:** Colonel George Schantz

**COURSE MATERIAL:**

1. Textbook: Exploring Space: The High Frontier, 2<sup>nd</sup> Edition, 2019
2. TPS Curriculum with PPT slide presentations

**COURSE DESCRIPTION:** Introduces students to the world's efforts toward conquering space.

**COURSE OBJECTIVES:**

1. Familiarize students with Human's Efforts to Conquer Space

**COURSE OVERVIEW:**

- 1. Chapter 1: The History of Astronomy**  
Lesson 1: Prehistoric and Classical Astronomy  
Lesson 2: Astronomy and the Renaissance  
Lesson 3: The Enlightenment and Modern Astronomy
- 2. Chapter 2: The Solar System**  
Lesson 1: The Earth and Moon  
Lesson 2: The Sun and its Domain  
Lesson 3: The Solar System  
Lesson 4: Deep Space
- 3. Chapter 3: Space Exploration**  
Lesson 1: Why Explore Space  
Lesson 2: Assembling a Space Mission  
Lesson 3: The Hazards for Spacecraft
- 4. Chapter 4: Space Programs**  
Lesson 1: Strategic Significance of Space Programs  
Lesson 2: US Manned Space Programs  
Lesson 3: Making Space People-Friendly
- 5. Chapter 5: Space Stations and Beyond**  
Lesson 1: From Salyut to the International Space Station  
Lesson 2: The Future in Space  
Lesson 3: Space in Your Daily Life
- 6. Chapter 6: Space Probes and Robotics**  
Lesson 1: Space Probe Missions  
Lesson 2: Robotics in Space  
Lesson 3: The Mars Rover Expedition
- 7. Chapter 7: Orbiting, Space Travel, and Rockets**  
Lesson 1: Orbits and how they work  
Lesson 2: How to Travel in Space

Lesson 3: How Rockets Work

**8. Chapter 8: Cyber Security**

Lesson 1: Foundations of Cyber Security

Lesson 2: Principles of Cybersecurity and Computer Basics

Lesson 3: National Cyber Policy