



**AIR FORCE JUNIOR ROTC (TN-20021)  
COURSE SYLLABUS  
AY 2023-2024  
AFJROTC I**



**COURSE NAME: AFJROTC I**

**INSTRUCTOR:** Major Dale Lightfoot, Senior Aerospace Science Instructor (dale.lightfoot@rcstn.net)

**REQUIRED TEXT AND MATERIALS:**

Aerospace Science 100: Milestones in Aerospace History

Chapter 1: Exploring Flight

Chapter 2: Developing Flight

Chapter 3: The Evolution of the Early Air Force

Chapter 4: Commercial and General Aviation Take Off

Chapter 5: The Air Force is Born

Chapter 5: The Modern Air Force

Leadership Education 100: Traditions, Wellness, Foundations of Citizenship

Chapter 1: Introduction to JROTC Programs

Chapter 2: Personal Behavior

Chapter 3: Be Health Smart

Chapter 4: Making Safe, Drug-Free Decisions

Chapter 5: The Foundations of United States Citizenship

AF Manual 36-2203, Personnel Drill and Ceremonies, V-2627

**COURSE DESCRIPTION:** AFJROTC I is the introductory course for all new cadets. The course consists of three components: Aerospace Science (40%), Leadership Education (40%), and Wellness/Physical Fitness (20%). The **Aerospace Science I** portion is an aviation history course focusing on the development of flight throughout the centuries. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. **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. The **Wellness/Physical Fitness** portion will incorporate 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.

## **COURSE OBJECTIVES AND GOALS:**

### **Aerospace Science 100 – Milestones in Aviation History:**

#### *Course Objectives:*

1. Know the historical facts and impacts of the early attempts to fly to include identifying ways humans tried to fly in ancient times and the key aviation devices created during ancient times.
2. Know the development in aviation from the Da Vinci to the Wright Brothers including the major historical contributors to the development of flight.
3. Know and understand the principles of flight, and be able to explain how basic aircraft flight controls work.
4. Know the role of airpower during WWI, ways air power expanded during WWI, and the contributions of U.S. pilots.
5. Know who the barnstormers were, and their major contributions to sustain the fledgling aviation industry
6. Know Charles Lindbergh's famous contribution to aviation, and the significance of the first transatlantic flight.
7. Know and understand other significant contributions that pushed aviation into the mainstream including commercial flight, uses of the airplane and the development and uses of helicopters.
8. Understand the role air power played in WWII and its significance, and the development of the Army Air Corps.
9. Understand the development of commercial aviation and the significance of the jet engine to commercial aviation.
10. Know and understand the development of the U.S. Air Force as an independent branch of the U.S. Military, and the changing role of air power from WWII through the conflict in Iraq.

#### *Course Objectives:*

### **Leadership Education/Drill and Ceremonies:**

1. Know the importance of AFJROTC history, mission, purpose, goals, and objectives.
2. Know military traditions and the importance of maintaining a high standard of dress and appearance.
3. Know the importance of attitude, discipline, and respect, and why 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 why it is important to be a good democratic citizen and to be familiar with the different forms of governments.
8. Know the importance of keeping yourself well and helping others stay well.
9. Know the importance of drill and ceremonies.
10. Know basic commands and characteristics of command voice.
11. Apply and execute the concepts and principles of basic drill positions and movements.
12. Know when and how to salute.

### **Wellness and Physical Fitness**

#### *Course Objectives:*

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:**

Cadets will be graded using the below Course Evaluation:

- Midterm Exam 10%
- Final Exam 10%
- PT 20%
- Uniform inspections 20%
- Drill 10%
- Community Service 30%

**NOTE: HABITUAL NON-WEAR OF THE UNIFORM AND FAILURE TO MAINTAIN STANDARDS WILL RESULT IN A FAILING GRADE AND DISMISSAL FROM THE PROGRAM.**

**GRADING SCALE: Set by the Robertson County Board of Education:**

| <b>GRADE:</b> | <b>PERCENTAGE REQUIRED:</b> |
|---------------|-----------------------------|
| A             | 90 and above                |
| B             | 80 - 89                     |
| C             | 70 - 79                     |
| D             | 60 - 69                     |
| F             | 59 and below                |

**UNIFORM WEAR:** 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**. Make-up day for excused absences on uniform day is the following day, Thursday. There will be **no uniform make-up for unexcused absences**. 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 Training** uniforms on **Fridays** during class, unless otherwise directed. Failure to turn in uniforms by the end of the course/year will result in an overall “I” incomplete grade for the course and the vice principal notified. Additionally, the student will be placed on the “Fines/Holds” list until the uniforms are paid for/returned.

**EXAMS:** Two types of major exams will be administered during the course: midterms and finals. Tests will be a comprehensive assessment of all material taught since the last test. These tests will cover the concepts taught in all portions (AS, LE, Wellness) of the AFJROTC I curriculum.

**COMMUNITY SERVICE:** Cadets will have multiple opportunities to perform Air Force JROTC sponsored community service during each semester. In order to receive 100 points for their community service grade, cadets must complete 10 hours of community service per semester—hours do not roll over from one semester to the next. Community service is any chore or activity the cadet performs for no fee that would not be considered family chores (watching a younger brother or sister, taking out the trash, washing the car, cleaning their room). All community service hours must be verified by an adult, written on the community service log from the cadet handbook and turned in when requested in order to receive credit.

**PHYSICAL TRAINING:** Two separate grades are given each Friday: 1 for wearing the issued PTG, the other for participation in the day's activities.

**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 local movie theaters, a visit to the Space and Rocket Center in Huntsville, AL, experiential learning opportunities on Ft. Campbell. Cadets must be in good academic and disciplinary standing to participate. If a cadet receives an in or out of school suspension, s/he will not be allowed to go on any JROTC trips for the remainder of the semester.

**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 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.

**CELL PHONES:** Cell phone policy is in accordance within the Robertson County school district instructions. Cell phones must remain turned off and out of sight during the instructional day. Students who use the telecommunications device during the school day will have the device confiscated. Parents may pick up the confiscated device from the SHS principal's office. Any student who refuses to turn over their cell phone will be considered defiant and will receive additional disciplinary consequences from their school administrator.

**EXPECTATIONS FOR CADETS:**

1. Follow the cadet chain of command (mentor, class leader, cadet officer, etc.).
2. Be on time. Don't be late to class, scheduled events, practices, etc.
3. Be picked up on time from any AFJROTC practices, field trips or community service events.
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. (SAFETY)
7. Raise your hand and wait to be acknowledged; do not talk without permission.
8. Listen respectfully/attentively 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. Wearing hats or sunglasses indoors is prohibited.
15. No horseplay in the AFJROTC areas; this includes during after school programs and events.
16. Maintain self-control and your self-respect at all times; keep your hands to yourself!
17. Do not any teacher or administrator, higher-ranking cadet officers and NCOs.

**MEDICAL ISSUES OR LEARNING DISABILITY:**

If you have a medical issue or learning disability and need any special classroom arrangements (preferred seating, exam read aloud, extended time on exams, etc.) please speak in private with the your instructor the 1st week of class so together you can ensure your safety and accommodations are met! Any information you disclose will be kept strictly between the JROTC instructors and school leadership or nurse.

## **WHAT YOU CAN EXPECT FROM US:**

**1. HELP:** We want you to succeed not just in our class, but in all of your classes. The goal is for each cadet to have a minimum GPA of 3.0 per semester with zero D's or F's and zero in or out of school suspensions. Stop in and see us if you have questions on the course material, college, job applications or the military! You will have an upper-class cadet mentor and can request a tutor any time you need one. Asking for help is a sign of strength, not a sign of weakness!

**2. STRAIGHT ANSWERS:** The Air Force is a great way of life full of exciting opportunities. Hopefully, you will continue in Air Force JROTC and lead your program and fellow cadets one day. We will do everything we can to help you find your path(s) forward; whatever path you believe is right for you! You will be given every opportunity and all the assistance available in order for you to succeed both in high school and beyond. Whether you choose to take our advice is up to you!

**3. ACCOUNTABILITY:** We will set realistic, attainable expectations and have very clear standards and goals in our program. We will hold you accountable for your actions and decision-making. This means we will celebrate your accomplishments; it also means when you stray from making good decisions, we will help you understand how to make better decisions going forward.

**4. FOLLOWERSHIP AND LEADERSHIP OPPORTUNITIES:** Our program is cadet led! Don't be afraid to step up and lead whether it is a class leader position or community service lead, etc. We will help, guide and provide you all the tools to do your job and be successful!

**5. OFFICE HOURS:** Our standard school hours are 0745 – 1545 hours. We are in the "C" hallway, Rooms 48 and 51 and have an open-door policy, you can come by and discuss anything you need to if we are available.

**6. AFTER HOURS:** You, or your parents, can contact your Aerospace Science Instructor through the Remind App with questions or concerns. Please attempt to find an answer via your mentor or cadet chain of command first when possible. **Unless it is an emergency, please do not contact your instructor after 8pm.**