

2017-2018 Air Force JROTC Syllabus

COURSE NAME: “The Science of Flight” and “Leadership Education 100”

CREDIT HOURS: One. Cadets that are authorized to substitute Air Force Junior Reserve Officer Training Course (AFJROTC) credits for one credit of HOPE/Physical Education and/or one credit of Performing Arts. Additional AFJROTC courses beyond two years, will count as an elective.

INSTRUCTORS: Colonel Roberts and Chief Phelps

PROGRAM ORIENTATION: AFJROTC is much more than just a high school science course. The course places strong emphasis on citizenship, values, self-discipline, team work, and a strong work ethic. Helping to make the program unique is its identification with the US Air Force. AFJROTC brings students together as a cohesive cadet group and is the basis for unique fellowship and “esprit de corps” not experienced in most high school courses. I must emphasize that the cadet corps (all the JROTC classes collectively) will be **run by and for the cadets** with the guidance of the AFJROTC Instructors. The cadet corps and the overall AFJROTC program will be what you, the cadets, make of it.

AFJROTC MISSION: The mission of AFJROTC is to “Develop Citizens of Character dedicated to serving their nation and community.” Participation in AFJROTC in no way obligates you for future military service. Furthermore, we will not try to enlist any of you into the military. The instructors are **NOT** “recruiters” but rather retired military members who are full time employees of the Alachua County School System. However, if your desire is to join the military, we stand ready to help you in the process.

AFJROTC OBJECTIVES: The objectives of AFJROTC are to educate and train students in citizenship and life skills; promote community service; instill a sense of responsibility; and develop character and self-discipline through education and instruction in air and space fundamentals and the Air Force's core values of "Integrity First, Service Before Self and Excellence In All We Do." This program will enable the students to:

- Develop a high degree of strong morals, self-esteem, self-reliance, personal appearance, and leadership.
- Adhere to the values of integrity, service, and excellence.
- Increase their understanding of patriotism and responsibilities as US citizens.
- Participate in community service activities.
- Expand their skills of critical thinking and problem solving, communication and collaboration, and creativity and innovation.
- Demonstrate military customs, courtesies, and traditions and develop habits of order, discipline, and social skills.
- Acquire a broad-based knowledge of aerospace studies and leadership education.
- Strive to graduate from high school and prepare for college and careers in the 21st century.
- Cultivate a commitment to physical fitness and a healthy lifestyle.

COURSE DESCRIPTION: The 2017-2018 AFJROTC course consists of three components: Aerospace Science (40%), Leadership Education (40%), and Wellness/Physical Fitness (20%). The **Aerospace Science** portion is The Science of Flight, an introductory course that focuses on how airplanes fly, how weather conditions affect flight, flight, flight and the human body, and flight navigation. The course is designed to complement materials taught in math, physics, and other science-related courses. **Leadership Education 100** introduce cadets to history, organization, mission, traditions, goals, and objectives of JROTC for all services. It introduces key military customs and courtesies, how to project a positive attitude, and exam the principles of ethical and moral behavior. It provides strategies for effective note taking and study skills for academic success. Lessons will cover how to be emotionally, mentally, and physically healthy. Avoiding and preventing violence in today’s society will also be covered. How to recognize types of bullying and how to advocate for prevention of this type of behavior. It will cover healthy living, physical fitness, and how to make safe, drug-free, and responsible decisions. 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 100. Students **WILL** wear the Air Force JROTC uniform weekly (Wednesday) and come dressed for Physical Training (PT) on Fridays.

REQUIRED TEXT AND MATERIALS:

The Science of Flight

Chapter 1: How Airplanes Fly

Chapter 2: Working Through Flight Conditions

Chapter 3: Flight and the Human Body

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

Chapters 1 – 3

Cadet Guide

COURSE OBJECTIVES AND GOALS:

The Science of Flight:

1. Analyze the elements of flight.
2. Evaluate how atmospheric conditions affect flight.
3. Evaluate how flight affects the human body.
4. Analyze flight navigation and the purpose of aerial navigation aids.

Leadership Education/Drill and Ceremonies:

1. Analyze the heritage, organization, and tradition of service programs.
2. Analyze the benefits of positive personal behavior.
3. Evaluate healthy living through physical activity and good nutrition.
4. Apply safe, drug-free decisions.
5. Analyze the importance of citizenship in the United States.
6. Know the importance of drill and ceremonies.
7. Know basic commands and characteristics of command voice.
8. Apply and execute the concepts and principles of basic drill positions and movements.
9. Know when and how to salute.

Wellness and Physical Fitness

1. Motivate 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 Senior Aerospace Science Instructor (SASI), Colonel Roberts. The Leadership Education portion of the grade counts 40% of the final grade and will be graded by the Aerospace Science Instructor (ASI), Chief Phelps. The wellness portion and participation 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 the course and dismissal from the program.** Grades are computed in accordance with standard district grading policy:

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 for class each **Wednesday**. Make-up day for excused absences on uniform day is the day you return to class. There will be **no uniform make-up for unexcused absences**. Multiple failures to wear your uniform will lead to failing the course. Failure to turn in uniforms by the end of the course/year will result in an overall “I” incomplete grade for the course. Additionally, the student will be placed on the “Fines/Holds” list until the uniforms are paid for/returned.

TESTS AND EXAMS: Cadets are tested on each block of instruction in the Science of Flight along with a comprehensive midterm and final exam.

CLASS ATTENDANCE, PREPARATION AND PARTICIPATION: 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 key to drill and physical fitness. Class preparation includes cadet adherence to proper grooming standards daily as outlined in Air Force Instruction and school dress code.

COMMUNITY SERVICE: Cadets will have multiple opportunities to perform AFJROTC 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. Cadets must be in good academic and disciplinary standing to participate.

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 phones must remain turned off and out of sight during class. Students who use the Cell phones during class will have the device confiscated. Parents may pick up the confiscated device after school.

EXPECTATIONS FOR CADETS: This course will place special emphasis on self-discipline and self-reliance. Some of you may think we are too strict, but *"try it, I think you'll like it."* In this regard, we can't make it too clear, you will have to meet certain standards of performance and discipline in order to be successful in this program. The academic phase of the program includes portions dealing with civics, science, history, and social studies. The leadership phase has less of an academic focus but still requires a high degree of self-discipline and teamwork. We, the AFJROTC instructors believe strongly in group and individual promptness, preparedness, attendance, participation, self-control, respect, and courtesy. Please make every effort to give these areas your utmost attention. As an example of promptness, you will be marked tardy if you are not by your assigned seat when your flight commander calls the flight to attention at the beginning of the class. When tardy is unexcused, you lose privileges and academic points which could adversely affect your overall AFJROTC grade. Behavior and grooming standards will be strictly enforced. Like active duty service members, you will wear a regulation Air Force uniform and be required to maintain the same grooming standards. The pride you take in being *"the best that you can be"* will greatly enhance your self respect and promote better spirit within this unit. These standards will apply equally to all. Failure to meet these standards will hurt your course grade and if consistently ignored could result in your removal from the program. For first year students, don't panic, we will give you some time to learn the standards that are expected of you.

PROGRAM BENEFITS: The potential benefits to you from AFJROTC are almost limitless. They include:

- Individual and group recognition in the form of medals and ribbons for outstanding performance.
- Upon graduation, possible entry into the military as an E-3 rather than E-1, with the accompanying increased pay and responsibilities, if you successfully complete at least 3 years of AFJROTC.
- Improved college scholarship opportunities.
- Improved chances to attend military service academies provided you meet basic requirements for entry
- A chance to develop your leadership skills in real life situations by planning/directing the activities of potentially more than 100 cadets. Additionally, you can participate in a high school organization that is totally dedicated to helping its members, the school, community, and the nation.
- Improved self-confidence, self-discipline, and attention to detail.
- The chance to participate in numerous AFJROTC co-curricular activities, such as, field trips to military and civilian facilities; formal military social events such as the Annual Military Ball, Parades, Awards Ceremony; precision military drill teams/color guards; Kitty Hawk Air Society (a national honor society); service projects throughout the school and community; field days; and trips to amusement parks.
- The opportunity to be a part of an outstanding organization, make friendships which will last a lifetime, and have a lot of fun!