

Air Force Junior Reserve Officer Training Corps (AFJROTC) Program AY 2019-2020
Fike High School (FHS) North Carolina - 946 (NC-946)

COURSE NAME: ROTC II: Aerospace Science 200 & Leadership 200

CREDIT HOURS: 1 General Elective

INSTRUCTORS: SMSgt Showman and MSgt Griep

The Mission of Air Force JROTC is to develop citizens of character dedicated to serving their nation and community.

TEXTS AND MATERIAL:

- *Aerospace Science 200: The Science of Flight, 2012*
- *Leadership Education 200: Communication, Awareness, & Leadership, 2016*
- *AF Manual 36-2203, Personnel Drill and Ceremonies, 2018*
- *Cadet Guide (Handbook)*
- *Selected Video Media*

COURSE DESCRIPTION: AFJROTC II is a continuation course and builds upon AFJROTC I. Cadets enrolled in this course are expected to perform at an AFJROTC second year level cadet. The course consists of three components: Aerospace Science (40%), Leadership Education (40%), and Wellness/Physical Fitness (20%). Most of the work is to be hands-on.

The **Aerospace Science 200** portion is an introductory course that focuses on how airplanes fly, how weather conditions affect 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 and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. We will cover parts of Chapter 1. This portion will also be supplemented by **Science, Technology, Engineering, & Math (STEM)** with the use of the Flight Simulator devices and Microsoft Flight Simulator software. Cadets are given the opportunity to design, build or program, as they are exposed to STEM concepts. They learn about these concepts in a real-world application and are required to apply them over and over again. These hands-on, mind-on activities help cadets understand how STEM are useful in their world and make connections to careers they may not have considered.

Leadership Education 200 is a customized course designed to improve communication, enhance awareness of self and others, and provide fundamentals of leadership and followership. The course focuses on the AFJROTC mission to “develop citizens of character dedicated to serving their nation and community.” Woven throughout is the underlying theme of developing personal integrity. The course also emphasizes leadership and values such as service and excellence. This update incorporates 21st century teaching, learning, and skills of critical thinking, communication, collaboration, and creativity. We will cover parts of Chapters 1, 2, and 3. Additionally, cadets will expand beyond 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.

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.

COURSE OBJECTIVES AND GOALS:

A Gateway to New Horizons: Chapter 1

1. Analyze the elements of flight.
2. Evaluate how atmospheric conditions affect flight.

Leadership Education/Drill and Ceremonies: Chapters 1-3

1. Analyze the key factors in communication and critical thinking.
2. Apply the elements of effective writing and public speaking.
3. Analyze the importance of attitude in daily life.
4. Evaluate the ways in which personality and behavior affect relationships with others.
5. Analyze the foundation for an effective team.
6. Apply effective problem-solving and consensus-building methods.
7. Analyze the Air Force leadership model.
8. Evaluate effective leadership and followership.
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

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.

THE LEARNING ENVIRONMENT: Instructors will use Turning Point Cloud, lecture, individual and group work, hands-on and team-building activities, and other methodologies to ensure cadets accomplish all course objectives.

EXTRACURRICULAR ACTIVITIES: A variety of after-school and weekend activities are offered and these are discussed in the Cadet Handbook. Good order and discipline are essential.

PARENTAL INVOLVEMENT: Parents are encouraged to participate in cadet learning and are invited to all cadet activities. Parents will receive progress reports and must notify instructors with questions.

UNIFORM DAY: WEDNESDAY and Special Events. Cadets are required to wear their Physical Training uniform (gear) with appropriate athletic style shoes on FRIDAYS.

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. Drill will be evaluated, graded, and used as a milestone. Grades are computed in accordance with district policy as provided in FHS Parent and Student Guide.

MAJOR GRADES	DAILY GRADES
Uniform Wear (Blue, Airman Battle Dress, and Physical Training) & Citizenship/Community	Class Attendance, Preparation, Participation, and Personal Conduct
Exams (Midterm and Final)	Quizzes
Parades, Special Events (Reveille & Retreat, etc.)	Classwork/Homework

UNIFORM WEAR (Major Grade): Uniform wear is the largest part of the Air Force JROTC program. ALL cadets are **required** to wear the appropriate uniforms weekly.

EXAMS (Major Grade): 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, Drill) of the AFJROTC I and II curriculum. An essay maybe required during examinations. An essay may be required during these examinations. SOME TESTS WILL BE GIVEN USING THE CLASSROOM PERFORMANCE SYSTEM and/or GOOGLE FORMS.

CLASS ATTENDANCE, PREPARATION AND PARTICIPATION (Daily Grade): 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. Attendance will be considered in determining your final grade but it is subordinate to measurable performance based on lesson objectives. You will lose points on attendance for being late (5 points from daily grade) or unexcused absences (“0” will be entered as a daily grade.) Excused absences will not count against your daily grade, but missed work has to be completed. As an Air Force Junior ROTC cadet, you will be expected to be punctual and present at your appointments.

QUIZZES (Daily Grade): Weekly quizzes will be administered throughout the course.

HOMEWORK/CLASSWORK: Assignments are due at the beginning of the class period, unless otherwise directed or the cadet has an absence that day. The assignment will be due according to WCS/Fike HS policy.

EVALUATION:

You will be constantly evaluated in some form or another during your life. This class is no different! Your overall attitude, demonstrated enthusiasm to learn, and your constructive participation in class will dictate your evaluation grade. Remember that the way you present yourself may push your grade a point higher. **We expect everyone to be prepared for each class by completing reading assignments and/or other assigned tasks and contribute by participating in classroom discussions.** In addition, all assignments must be completed and turned in at the appointed time unless we make arrangements differently beforehand. Lastly, Self-Evaluations (Cadet Staff Journals) are required for Flight Leadership and will consist of essay format at least once (at a minimum) a week. This essay is your objective and subjective evaluation of your performance in the assigned Flight Position(s). The performance standards are provided in your cadet guide (handbook) under Chapter 19 “CORPS STAFF SELECTION/JOB DESCRIPTIONS.”

ACTIVITY FEE: A \$25 fee will be assessed from each cadet during first 4-weeks of semester start and will initially cover their unit polo shirt and ancillary costs.

COMMUNITY SERVICE: Cadets will have multiple opportunities to perform Air Force JROTC sponsored community service during each semester. Participation is linked to an effective unit.

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 museums, Air Force Bases, Colleges, Universities, etc. 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. Good order and discipline are essential.

CELL PHONES: Cell phone policy is in accordance with Wilson County School and Fike High School 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. Students may pick up their device at the end of class. Any student who refuses to turn over their cell phone will be considered insubordinate and will receive additional disciplinary consequences.

CADET CONTRACT: Each cadet and parent(s)/guardian(s) will sign the cadet contract.

CADET EXPECTATIONS ARE LOCATED IN THE CADET GUIDE. A cadet guide will be issued to each cadet, posted in each Google Classroom, posted on FHS (under academics & Programs) webpage, and a physical copy available in the classroom and staff meeting room.

OBSERVE CLASS PROTOCOL: It is an Air Force custom to stand at attention when a ranking officer enters or leaves a room. We will observe this custom in the AFJROTC class. Unless directed otherwise, the first cadet viewing the instructor or ranking officer enter the room will call the class to attention. Additionally, you are required to wear your uniform to class on Wednesday all day. Cadets are expected to always maintain a high standard of dress and appearance while in uniform. Wear the uniform in a manner that emphasizes pride and keep your personal appearance above reproach (i.e. haircuts, weight standards, etc.).

WHAT YOU CAN EXPECT FROM US:

- a. **HELP: BOTTOM LINE,** we want you to succeed. Stop in and see us if you have questions on the material or the Air Force.
- b. **STRAIGHT ANSWERS:** The Air Force is a great way of life full of exciting opportunities. Hopefully, you will continue in Air Force JROTC. We will do everything we can to help you. You will be given every opportunity and all the assistance available in order for you to succeed.