

# AIR FORCE JUNIOR RESERVE OFFICE TRAINING CORPS

**Teachers:** Lt Col John Miller, USAF, (Ret) and MSgt Kelley Kibbey, USAF (Ret)

INTEGRITY FIRST\*\*SERVICE BEFORE SELF\*\*EXCELLENCE IN ALL WE DO

## Program Mission, Goals, and Objectives

The **mission** of the AFJROTC program is to develop citizens of character dedicated to serving their nation and community.

The **goals** of the program are to instill values of citizenship, give service to the United States, develop a personal responsibility, and instill a sense of accomplishment in high school students.

The **objectives** of AFJROTC are to educate and train high school cadets in citizenship; promote community service; instill responsibility, character, and self-discipline; and provide instruction in air and space fundamentals.

## Program Benefits

1. Advanced grade in the armed forces. If the student chooses to enlist in any branch of the military the student receives advanced grade and pay for their time in Air Force JROTC.
2. Opportunities for senior ROTC and military academy scholarships. Students get special looks at these because of their familiarity.
3. Up to 16 college credits through the University of Colorado, Colorado Springs.

Students are under **no obligation to military service** if enrolled in the Air Force JROTC program. The program is designed to help make the student successful in any career path they choose.

## Field Experiences

We believe that field experiences are essential to understanding and meeting course objectives. Some of the field experiences our students have participated in are: a C-130 flight, tours of the Newton Falls Guard facility, the Cleveland Coast Guard Station, Washington D.C. and Wright-Patterson Air Force Base. We also attend several drill competitions each year.

## Community Service

Students identify opportunities for community service and then plan, organize and carryout the community service event. These events are crucial to meeting the mission of AFJROTC.

## Student Organizations

In addition to cadet corps activities, students have the opportunity for involvement with **Skills USA** and **Students Against Destructive Decisions (SADD)**.

## Air Force JROTC Course Objectives:

- Demonstrate positive work behaviors and personal qualities.
- Demonstrate the ability to lead, follow and work on a team.
- Differentiate between leadership styles and apply the appropriate style during projects.
- Utilize proper communication techniques to achieve corps objectives.
- Determine changes in lifestyle as they apply to health and wellbeing.
- Explore professional development and career advancement and educational opportunities based on student developed career goals.
- Apply management and leadership principles and concepts to achieve cadet corps goals.
- Use computer technology to accomplish assignments and corps jobs.
- Summarize the role of the armed forces in homeland defense and national security.
- Explain the historical evolution of: aircraft performance; function; and commercial use.

- Evaluate the aerospace environment using factors such as weather and physiological demands.
- Use knowledge of aerodynamics and aeronautics to create a maneuverable model aircraft.
- Summarize vehicles and techniques used in manned and unmanned space exploration.
- Construct a rocket and use a fundamental knowledge of forces involved in the process to ensure a proper flight path.
- Describe the space environment as it applies to our Solar System.
- Earn CPR/First Aid/AED certification.
- Earn First Responder certification.



## Offerings Within the Course

*The Air Force JROTC program is multifaceted in that students may receive instruction in some or all of these areas:*

**A Journey into Aviation History:** A summary of the history of aviation from ancient to modern times.

**Global and Cultural Studies:** A study of the world from more than a geographic perspective. We will look at the history of the area, peoples, and beliefs, etc.

**The Science of Flight:** A look at all things aviation related: the principles of flight such as motion and control, power plant, impact of weather, and navigation, etc.

**The Exploration of Space:** An introduction to Space Exploration, Orbits and Trajectories, Spacecraft and Launch Vehicles, and Mission Operations & Management. Students may choose to form a rocketry club.

**Introduction to Astronomy:** An overview of basic Astronomy including; History of Astronomy, The Earth, The Moon, Survey of the Solar System, The Terrestrial Planets, and The Outer Planets.

**Management of the Cadet Corps:** A hands-on leadership and management practicum. Students manage many aspects of the corps such as competitions, community service and field experiences.

**Survival:** An orientation course into The Elements of Surviving, Personal Protection, Necessities to Maintain Life, and Orientation and Traveling. Students may choose to establish an orienteering club as part of this segment of the course.

**Citizenship, Character, and Air Force Tradition:** This is the Air Force JROTC introduction. The wellness and fitness component extends to cadet led fitness sessions conducted each week.

**Communication, Awareness, and Leadership:** A comprehensive study of the importance of communication in leadership.

**Life Skills and Career Opportunities:** This course helps students map out their future by studying careers in various occupations, researching colleges, preparing resume's and cover letters, and conducting job interviews.



**Principles of Management:** Students learn management techniques and apply the most current management strategies into practice as they manage the corps.

**Drill and Ceremonies:** Students perform military drill and have the opportunity to demonstrate these skills in a variety of community service areas and competitions.

**First Responder:** The student will work towards certification as a First Responder. The National Highway Transportation Safety Administration website describes the mission of the First Responder course as “provide students with the core knowledge, skills and attitudes to function in the capacity of a first responder. The First Responder uses a limited amount of equipment to perform initial assessment and intervention and is trained to assist other EMS providers.”

## **GRADING PROCEDURES:**

<u>Course Evaluation</u>	<u>Number of points awarded</u>
Final Exam	Scored separately.
Unit Exams	25%
Article Reviews/Projects/Presentations	25%
Class-Assignments	14
Lab Grade	36%
<b>TOTAL</b>	<b>100 Percent</b>

## **GRADING SCALE AND POLICY**

Grades are calculated using the evaluations listed. Grading for make up work is handled in accordance with the T.C.T.C. student handbook. Plagiarism and cheating will not be tolerated.

<u>Grade</u>	<u>Percentage Required</u>
A	92% and above
B	83% - 91%
C	74% - 82%
D	66% - 73%
F	65% and below

## **CLASSROOM BEHAVIOR**

Students are expected to carry and conduct themselves at the highest levels of professional behavior. As AFJROTC students, we hold each student to a higher behavioral standard than their peers. This means being prepared for class on time each and every day, having the tools needed for class and carrying themselves in a professional manner. All of these are part of our mission of “Building Citizens of Character.”

## **SUMMARY OF GRADED EVALUATIONS:**

**Exams:** Exams are given at the conclusion of sections of Aerospace Science (AS) chapters. Exam questions are multiple choice, sequential ordering, short answer, matching and true or false. Unless otherwise stated by the instructor, exams are closed book without notes.

**Article Reviews:** You will choose an article and provide, in one double spaced typewritten page or two legibly hand-written pages, a summary of the article, three key points in the article and how you relate the article to the Aerospace Science course.

**Projects:** Projects are completed partially in class and as homework. Projects will be directly related to the course material in the text and graded in accordance with the rubric assigned for the project. Sample projects are building a maneuverable aircraft and a rocket.

**Presentations:** Presentations are individual and team presentations on subjects related to our AS studies. They will be graded with a rubric handed out for the assignment.

***Class Assignments:*** These include homework assignments such as workbooks, handouts, reading, outlines, etc. Grades are based on correct completion of the assignment.

***Lab Grade:*** The student's lab grade is based on how well the student applies what is learned in the classroom to their daily activities. Students will receive points each week for their corps job, participation in physical training, the use of a planner and proper uniform wear.

## **AFJROTC II Additional Assignments**

***Job Shadow:*** Students will complete the job shadow assignment during their senior year. The objective of the job shadow project is for student to explore potential career opportunities. Students will complete this assignment in steps as laid out in the job shadow handbook. This assignment will be covered in detail in class.

***Senior Project:*** During their senior year students will complete a senior research paper and a senior project. The senior project is linked to the research paper and provides the student with the opportunity to bring their research paper to life and to display their project at the Senior Project Showcase.