

Air Force Junior Reserve Officer Training Corps (GA-20062)
JROTC II – Flight Science
Course Description/Syllabus

2023-2024 School Year

Courses: Aerospace Science (AS) 200 – Science of Flight
 Leadership Education (LE) 200 – Communication, Awareness, and Leadership
 Drill & Ceremonies
 Wellness

Credit hours: 1 Elective credit (after completion of full school year, 2 semesters)

Instructor's Name: Lt Col Cumings /MSgt Peters

Required Text:

Aerospace Science 200:	Leadership Education 200:	DAFPAM 34-1203
Science of Flight: A Gateway to New Horizons	Communication, Awareness, and Leadership	Personnel Drill and Ceremonies
Chap 1: How Airplanes Fly Chap 2: Working Through Flight Conditions Chap 3: Flight and the Human Body Chap 4: Flying From Here to There	Chap 1: Learning to Communicate Chap 2: Communicating Effectively Chap 3: Understanding Your Attitude Chap 4: Understanding Your Actions Chap 5: Developing Visions and Teams Chap 6: Solving Conflicts and Problems Chap 7: A Leadership Model Chap 8: Adaptive Leadership	Chap 1: Intro to Drill and Ceremonies Chap 2: Commands and the Command Voice Chap 3: Individual Instruction Chap 4: Drill of Flight Chap 5: Drill of the Squadron Chap 6: Group and Wing Formations Chap 7: Ceremonies

Course Description:

AFJROTC II – Is a combination of Aerospace Science 200, Leadership Education 200, Drill, and Wellness

AS 200, The Science of Flight: A Gateway to New Horizons. *The Science of Flight: A Gateway to New Horizons* is an introductory course and customized textbook 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.

The course outcomes are:

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.

LE 200, Communication, Awareness, and Leadership. 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 emphasizes leadership and values such as integrity, service, and excellence, and incorporates 21st century teaching, learning, and skills of critical thinking, communication, collaboration, and creativity.

The course outcomes are:

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.

Drill. The Drill and Ceremonies course provides an in-depth introduction to drill and ceremonies. 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. Though each class will follow an established lesson plan, most of the work will be hands-on. Instructors use DAFPAM 34-1203 to teach the Drill and Ceremonies course.

The course objectives are:

1. Know the importance of drill and ceremonies.
2. Know basic commands and characteristics of the command voice.
3. Apply and execute the concepts and principles of basic drill positions and movements.
4. Know when and how to salute.
5. Know the purpose and definition of ceremonies and parades.

Wellness. Wellness is an official and integral part of the Air Force Junior ROTC program. It consists of two exercise programs focused upon individual baseline improvements with the goal of achieving a national standard as calculated by age and gender. The Wellness curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education 100.

The course objective for the Wellness Program is to:

Motivate AFJROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives.

Uniform Day: *Wednesday* and *Special Events as stated by SASI/ASI*. Requirements are specifically outlined in the Cadet Guide. One cannot successfully complete the AFJROTC class without complying with the uniform wear requirement.

PT Day: *Tuesday*. Uniform will be issued/or available for purchase and student is required to dress and participate.

Grading:

Tests =	40%		1 st Semester =	40%
Dress & Appearance/Bearing =	30%		2 nd Semester =	40%
Physical Training/Drill =	20%		Final Exam =	20%
Quizzes/Tasks/Daily Work =	10%			

NOTE: Additional details for classroom management, behavior expectations, and other requirements are described in the GA-20062 Cadet Guide. Cadets are required to read and adhere to everything noted in the Cadet Guide.

AFJROTC Course Outline Signature Page

We acknowledge that the course outline for JROTC II has been read and understood for SY2023-2024. Please sign and return to AFJROTC by August 18, 2023.

Parent Print: _____

Student Print: _____

Parent Signature: _____

Student Signature: _____

Date: _____