



## Air Force Junior Reserve Officer Training Corps (AFJROTC)

### Course Syllabus – GA-20051

Academic Year 2020 – 2021

East Paulding High School

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### Course Name: AFJROTC II – IV (See below for subject area)

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

**Credit Hours:** One elective credit per semester.

**Supplies:** Each cadet will have access to a *Cadet Guide* that outlines all requirements for successful completion of the AFJROTC program (located in each classroom and on the AFJROTC website—[www.eastpauldingafjrotc.com](http://www.eastpauldingafjrotc.com)). See the *Cadet Guide* for detailed information on classroom procedures, conduct and behavior expectations. Cadets will bring notebook paper and a pencil/pen to class every day (electronic devices may be permitted for note taking upon being granted permission by instructor). Furthermore, cadets will be required to wear their Air Force JROTC uniform to school as directed by the SASI.

**Overview:** The success of the AFJROTC program lies in its progressive and academically sound curriculum and the extra-curricular activities AFJROTC offers students. The curriculum is two part:

- a. The Aerospace Science 200, The Science of Flight: A Gateway to New Horizons portion is an introductory course and customized textbook that focuses on how airplanes fly; how weather conditions affect flight; effects of flight on 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. Approximately 72 classroom hours will be dedicated towards the Aerospace Science curriculum.

1. Required Text: *The Science of Flight* (2012)

2. **Fall Semester** – Plan of Study

#### Chapter 1: How Airplanes Fly

Lesson 1: Principles of Flight

Lesson 2: The Physics of Flight

Lesson 3: The Purpose and Function of Airplane Parts

Lesson 4: Aircraft Motion and Control

*NOTE: Chapter 2—Intentionally Omitted Pending Book Revision*

3. **Spring Semester** – Plan of Study
  - Chapter 3: Flight and the Human Body
    - Lesson 1: Human Physiology and Air Flight
    - Lesson 2: Protective Equipment and Aircrew Training
  - Chapter 4: Flying from Here to There
    - Lesson 1: Navigational elements
    - Lesson 2: Navigational Aids
    - Lesson 3: Dead Reckoning and Wind
    - Lesson 4: Flight Instrumentation
    - Lesson 5: Navigation Technology

b. The Leadership Education 400, Fundamentals of Management portion provides an introduction to management and its application to JROTC. It defines what management is and what managers do. It provides an overview for managing a JROTC unit—including its various activities, systems and technology, and learning to manage yourself as you help manage the unit. Finally, the chapter explains the similarities and differences between a leader and a manager and how a manager should think about the health and growth of the organization. Approximately 72 classroom hours will be dedicated towards the Leadership Education curriculum. Approximately 72 classroom hours will be dedicated towards the Leadership Education curriculum.

1. Required Text: *Fundamentals of Management*, (2018).

2. **Fall Semester** – Plan of Study
  - Chapter 1 – An Introduction to Management
    - Lesson 1: What is Management?
    - Lesson 2: Managing the Cadet Corps
    - Lesson 3: Management and Leadership
  - Chapter 8 -- Understanding Work Teams
    - Lesson 3: Mentoring

*NOTE: Lesson(s) 2 & 3—Intentionally Omitted*
  - Chapter 2 – Project Management
    - Lesson 1: Initiating and Planning a Project
    - Lesson 2: Organizing and Executing a Project
    - Lesson 3: Closing Out a Project
  - Chapter 3 – Planning—Laying the Foundation
    - Lesson 1: Starting with a Vision of Success
    - Lesson 2: Knowing How Much Planning is Enough
    - Lesson 3: Using Meetings to Plan with Others

3. **Spring Semester** – Plan of Study
  - Chapter 4 – Decision Making—Choosing Wisely
    - Lesson 1: Improving Your Decision Making
    - Lesson 2: Decisions that are Important—Not Urgent
  - Chapter 5 – Organizing—Managing Time and Change
    - Lesson 1: Time Management
    - Lesson 2: Change Management
  - Chapter 6 – Leading—Managing Behavior
    - Lesson 1: Motivating Others
    - Lesson 2: Evaluating Others
    - Lesson 3: Managing Difficult Situations

Chapter 7 – Understanding Work Teams  
Lesson 1: Work Teams  
Lesson 2: Managing Work Teams  
Lesson 3: Communication within Work Teams

- c. Drill and Wellness: Approximately 36 classroom hours will be dedicated towards the Drill and Wellness curriculum. Required Text: AF Manual 36-2203, Personnel Drill and Ceremonies, V-2627.

**COURSE OBJECTIVES AND GOALS:**

**Aerospace Science 220: 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 400: Fundamentals of Management**

1. Analyze management and its application to JROTC.
2. Analyze the elements of project management.
3. Evaluate the importance of formal planning within an organization.
4. Analyze decision making within an organization.
5. Evaluate time management and change management within an organization.
6. Analyze concerns managers must consider in managing individuals and groups.
7. Analyze the factors that make work teams productive.
8. Evaluate the interpersonal skills of delegating, negotiating, and mentoring.

**Drill & Ceremonies**

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. Apply the principles & procedures of drill movements used within the movement of a squadron.
6. Know the function of the group and the wing.
7. Know how groups and wings are formed.
8. Know the purpose and definition of ceremonies and parades.

**Wellness and Physical Fitness**

1. Create an individualized training program based on national standards by age and gender.
2. Identify areas of improvements for each cadet and provide guidance for improvement.
3. Incorporate a physical training program to reach fitness goals.

**Environment:**

Our goal in AFJROTC is to create an atmosphere for learning and leadership development. Our program's success requires students to act responsibly to the military environment and to embrace the Air Force core values, "*Integrity, Service Before Self, and Excellence In All We Do.*" Any behavior that keeps a student from learning, disrupts the class, or causes an unsafe condition, will not be tolerated. We will notify parents/guardians when their student exhibits poor work, a poor attitude, or refuses to properly wear the AFJROTC uniform. Students are expected to comply with the standards outlined in the Cadet Guidebook, to include following the instructions of the senior cadets in the AFJROTC organization.

**UNIFORM DAY:** Cadets are required to wear the AFJROTC uniform every WEDNESDAY. If absent, then wear the uniform the next day upon return to school or receive a grade of "0." Cadets are required to

wear their Physical Training uniform every FRIDAY. If absent, then cadets have one week to make-up missed PT training or receive a grade of “0.” (Zeros will be loaded into gradebook until uniforms are worn the next day.) Any changes to the military uniform or PT uniform day will be briefed to all cadets in advance during their flight formation. **NOTE: CADETS MUST HAVE THEIR HAIR COMPLY WITH AIR FORCE GROOMING STANDARDS UPON BEGINNING THE SEMESTER** – Returning cadets are fully aware of the standards; and new cadets will be briefed prior-to, or on, the first-day of school. The student will be removed from the AFJROTC program and placed into another elective if not immediately within grooming standards (unless the parent and instructor mutually agree to a different date).

**Safety:**

A qualified instructor will carefully monitor all sanctioned AFJROTC activities. Although most activities are in a classroom or drill area, we will slowly incorporate group leadership projects and physical fitness into the program. All students enrolled in the AFJROTC program must meet the same physical fitness criteria as required for any EPHS physical fitness program.

**Course Grading Criteria/Policy:**

All cadets earn their grades based on their performance in the AS and LE curriculum. Grades will not be awarded to a cadet for merely attending classes. All points earned will be on a scale of 0 to 100 and incorporated into the EPHS grading system with the following percentages.

**Grading Scale:** A = 90 – 100; B = 80 – 89; C = 70 – 79; F = 69 and below/failing with no credit

Uniform	25%	}	Summative Grades 71%
Formal Drill Grade	5%		
Leadership/Followership	10%		
Cumulative Assessments, Tests and/or Research/Capstone Project	31%		
Daily Activity, Article Reviews Quizzes & Physical Fitness Participation	29%	}	Formative Grades 29%
Final Exam	20%		
<b>Total Grade</b>	<b>100%</b>		*Informal Grades 0%



\*Note: Some grades will be loaded that represent student progress towards a learning goal, such as homework, practice activities, notebook checks, and class discussions. These grades are not a measure of student learning and are therefore not assigned a grade weight.

**Wear of the Air Force uniform is MANDATORY.** (1) Failure to wear the uniform on designated days will result in a summative grade of zero for that “Uniform Wear”; and, (2) a failing summative grade in “Leadership/Followership” (during the applicable month) for not following instructions. Also, cadets not in uniform on designated days are NOT eligible for promotion during the current month.

