



NJ-782 Air Force JROTC Course Syllabus



Air Force JROTC Mission: Develop citizens of character dedicated to serving their nation and community.

SCHOOL YEAR: 2023-2024

COURSE NAME: AS 200/LE 300 Part 2 – “AS: The Science of Flight / LE: Life Skills & Career Opportunities”

CREDIT HOURS: Five Elective Credits

INSTRUCTORS: Colonel Jonathan Spare and Chief Master Sergeant Michael Sylvester

CLASSROOM: 226

TELEPHONE: (732) 833-4642 (Office)

EMAIL: jspare@jacksonsd.org and msylvester@jacksonsd.org



REQUIRED TEXTS: Aerospace Science – The Science of Flight, A Gateway to New Horizons
Leadership Education – Life Skills & Career Opportunities
AFM 36-2203: Personnel Drill and Ceremonies
Learn to Lead (Cadet Drill Guide)
NJ-782 Cadet Guide for AY2024

Required Materials: To successfully complete this course, you will need: Air Force supplied textbooks and workbooks, service dress uniform, and physical training uniform. You will also be issued the Jackson Memorial/Liberty (NJ-782) AFJROTC Cadet Guide for Academic Year 2024. This publication provides a comprehensive description of cadet requirements, procedures, and responsibilities. Cadets are expected to learn its contents and have it available in class for reference. Other requirements are paper, pen, pencil, calendar, and appropriate athletic shoes.

Google Classroom: Cadets must join the various JROTC Google Classrooms for the associated curriculum. Google Classroom codes are as follows:

Aerospace Science: qhcamb7

Leadership Education: ojkeczfo

Health and Wellness: ez2wbxs

There may be additional Google Classrooms created throughout the year to provide specific information and guidance for ROTC co-curricular activities and projects. Cadets who participate in these co-curricular activities will be required to join. As a minimum, Cadets are required to join the Unit Google Classroom in addition to the Curriculum Google Classrooms.

NJ-782nd AFJROTC: mcx3jrv

We invite parents and guardians to also join. We will use this virtual platform for remote learning in case of school closure and as a means to disseminate pertinent information about ROTC to include its curriculum, assignments, co-curricular activities, published guidance, forms, and announcements. While operating under remote learning procedures, Cadets must comply with school district guidelines. This includes signing in to complete their virtual lessons, assignments, and attendance forms.

Air Force (AF) Mandated Minimum Class Time: Per the Memorandum of Agreement between the Jackson School District and the AF, we MUST ensure a minimum course length. ALL AFJROTC program academic courses shall be conducted as regular, full time academic courses consisting of a minimum of 120 hours per academic year.

Since the district changed its schedule to accommodate a common lunch period last year, class time was reduced from one hour and 20 minutes to one hour and 16 minutes. The previous time had us just reaching our minimum class time. This minimum time is non-negotiable. Henceforth, we must ensure we meet this requirement.

We accomplish this in the following manner:

2nd period: Delay dismissal until 10:02 (four minutes into common lunch)

3rd period: Report to class by 10:56 (four minutes early, before common lunch ends)

4th period: On Wednesdays, report to class at 10:30 for 20 minutes (during common lunch). You'll be dismissed at 10:50 when the Liberty Cadets arrive.

Liberty Cadets arrive at or before 10:50 and depart at or after 12:10 ensuring they receive at least one hour and 20 minutes of class time per day.

Text Material Covered for School Year 2023 – 2024:

- The Science of Flight: Chapters 2 & 3
- Leadership Education 300: Chapters: 3-8
- AFM 36-2203: Personnel Drill and Ceremonies
- Learn to Lead (Cadet Drill Guide)
- NJ-782 Cadet Guide for AY2024

(4x4 Modified Block Schedule, Fall and Spring curriculum are the same)

Overview: AFJROTC consists of three components: Aerospace Science (AS) (40%), Leadership Education (LE) (40%), and Health and Wellness/Physical Fitness (20%). Cadets are required to participate in classroom presentations, briefings and exercises, and in physical training. Leadership Education is sub-divided into smaller sections of learning, which includes team-building exercises and Air Force drill requirements. Health and Wellness is broken down into various aspects of health/wellness and physical fitness from team activities to exercises in preparation for the AFJROTC Physical Fitness Test. **All cadets are required and expected to wear the PT uniform and participate in the scheduled PT activities each week.**

COMPONENT DESCRIPTION: 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. This year's course of study is a continuation of last year's and doesn't repeat any of the curriculum. **Instruction for the academic school year of 2023-2024 will begin with a focus on weather and atmospheric conditions, how and why weather systems develop and how their resulting conditions affect flight. This year's course of study will finish with a look at human physiology and how flight conditions affect the human body.**

COMPONENT OBJECTIVES:

1. Evaluate how atmospheric conditions affect flight.
2. Evaluate how flight affects the human body.

COMPONENT DESCRIPTION: Leadership Education 300: Life Skills and Career Opportunities

Leadership Education 300: Life Skills and Career Opportunities, Second Edition provides an essential component of leadership education for today's high school students. This course is designed to prepare students for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century. This year's course of study continues from where last year's lessons left off. Students will focus on career opportunities and how to properly prepare themselves. None of last year's curriculum will be repeated. The Holland Interest Inventory and other self-assessments will help them to reveal their attitudes, aptitudes, and personal skills. This self-understanding will allow them to explore career paths and understand the requirements that they will need to be successful at work and in life.

COMPONENT OBJECTIVES:

1. Analyze the different ways of pursuing a career path.
2. Analyze the requirements for applying to a college or university.
3. Analyze positive and negative impact of college life in meeting career goals.
4. Evaluate the essential process for successfully pursuing desired career or job.
5. Evaluate the benefits of working for the Federal Government.
6. Create a plan for successful career development.

COMPONENT DESCRIPTION: Drill and Ceremonies

The Drill and Ceremonies course provides an in-depth introduction to military drill and ceremonies. This is not a stand-alone course, but it is to be taught as part of the Leadership Education component for each AFJROTC class. The Drill and Ceremonies 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 a command voice. Students are provided detailed instructions on ceremonial performances and protocol for civilian and military events. They will have the opportunity to personally learn, perform, and lead drill. Though each class will follow an established lesson plan, most of the work is to be hands-on. Those with drill and ceremony experience from previous years of ROTC will build upon their skills and further hone them, which will allow them to showcase their abilities for class and co-curricular events. Students with drill and ceremony experience will also be called upon to demonstrate and help instruct the less experienced students.

COMPONENT OBJECTIVES:

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 and procedures of drill movements used with smaller units to 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. Know the importance of drill and ceremonies

COMPONENT DESCRIPTION: Health and Wellness Program

The Wellness/Physical Fitness portion will incorporate the Cadet Health and Wellness Program (CHWP). The CHWP will provide individualized training programs based on national standards by age and gender and will identify areas of improvement and incorporate a physical training program to assist cadets with reaching their goals. 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 utilize this time to learn the importance of keeping themselves healthy and fit and helping others to do the same. Cadets will work together in flights or teams during friendly team-oriented competitions AND exercise in preparation for undertaking the AFJROTC Physical Fitness Test (PFT), which mirrors the three components of the Air Force PFT. All cadets are required to complete, sign, and obtain a parent or guardian's signature on the "WELLNESS PROGRAM CADET PARTICIPATION CONSENT FORM" (provided). *All able-bodied cadets* are required to participate in the AFJROTC PFT within 45 calendar days of the start of each semester and again prior to the last 30 days of the semester.

Cadets will also be required to participate in Physical Training (PT) once a week, usually Friday. Cadets will be given the opportunity to lead and demonstrate various exercises and activities. Cadets will be graded on preparation (including the wear of the appropriate fitness attire) and active effort in scheduled events. Students will only be excused from PT participation with a note from a medical professional. Students with issues preventing them from physical training

participation should follow school protocol to be excused from physical training. Students not previously excused, who don't wish to participate in ROTC physical activity to include drill due to any variety of ailments, will be required to see the school nurse. **All cadets are required and expected to wear the PT uniform during weekly PT activities.**

Cadets are required to maintain a PT journal, which tracks their personal workouts throughout the semester. These journals are collected the first day of each school week and evaluated for their wellness grade. For each day they are late turning in their journals, 10 points will be deducted 10 points from their grade.

COMPONENT OBJECTIVE:

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

PHYSICAL TRAINING DAYS: Every Friday

General:

Each instructor reserves the right to allow Cadets to lead any or all aspects of the classroom presentations. Normally, classroom power point presentations will be taught by either instructor. However, Cadets will be called upon to develop, organize, implement, and oversee numerous activities in and out of the classroom, both during and after normal school hours.

Instructional Goals:

1. The **mission** of AFJROTC is to "develop citizens of character dedicated to serving their nation and community."
2. The **goals** are to instill values of citizenship, give service to the United States, develop personal responsibility, and instill a sense of accomplishments in high school students.
3. The **objectives** 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.

CLASSWORK, HOMEWORK, CITIZENSHIP, AND TESTS/QUIZZES:

Most graded classwork will be "Do Now" assignments. Prior to most AS and LE lessons, instructors will typically task all cadets in attendance to complete a "Do Now" assignment. This is usually a short-written assignment related to the lesson. Preparing for the lesson by reading the appropriate sections in the text book will greatly assist a Cadet in completing the "Do Now" assignment. These "Do Now" assignments are graded on the thought and effort put forth by the Cadet completing them.

The "Cadetmanship" grade is a measure of citizenship combined with a Cadet's performance as an AFJROTC Cadet and is based upon their merit balance. All Cadets will maintain a merit balance. This balance may increase dependent upon their participation level in AFJROTC sponsored community service, patriotic events (Color Guard, flag raising/lowering), and AFJROTC co-curricular (LDR) activities. AFJROTC uses the designator, "Leadership Development Requirements," to describe its co-curricular events/activities. The acronym LDR, therefore, is synonymous with co-curricular. Participation in such activities and events will increase their merit balance. A Cadet starts every marking period with a merit balance of 85. Any infractions such as failure to follow classroom rules, improper wear of the uniform, and conduct unbecoming of an AFJROTC Cadet will detract from that balance. Any worthy activity such as community service, demonstrations of excellence and involvement in co-curricular (LDR) activities will increase the Cadet's merit balance. We expect each cadet to complete a minimum of 12 hours of AFJROTC sponsored community service during the school year. AFJROTC NJ-782 Form 341s carried by the Cadet leadership and the AFJROTC instructors will document the issuance of merits and demerits. A more detailed description of the merit/demerit system is located in chapter 10 of the Cadet Guide. This section of the Cadet Guide also describes disciplinary measures for low merit balances. The merit balance, therefore, reflects a cadet's attitude and behavior.

Test/quizzes are administered throughout the school year. Instructors will administer occasional pop quizzes to assess the student's comprehension of recently covered material. Instructors will administer tests to assess the student's comprehension of the previously taught lesson. Grades will be computed by applying the appropriate weighted value of all tests, quizzes, uniform/grooming inspections, homework and in-class assignments, etc. from the Aerospace Science, Leadership Education, and Health and Wellness courses during the marking period.

Grading Procedures: Cadet grades for each marking period are divided into the following five categories:

Exams/projects	30%
Uniform Inspections	30%
Cadetmanship	15%
Wellness	10%
Classwork/quizzes/homework	10%
<u>Current events</u>	<u>5%</u>
Total	100%

Grading Scale:

<u>Grade</u>	<u>Percentage Required</u>
A	90% and above
B	80%-89%
C	70%-79%
D	65%-69%
F	64% and below

UNIFORM WEAR & GROOMING STANDARDS:

All cadets are expected and required to participate in all aspects of each part of the AFJROTC program. All cadets are expected to wear the Air Force Blue uniform every week on the specified uniform day. Cadets are expected and required to “dress out” in the Air force “PT” (Physical Training) uniform during the weekly designated physical training day. Finally, all cadets are expected to maintain grooming standards as specified in our Cadet Guide, which is updated and published annually. The annual update ensures the Cadet Guide is compliant with all governing guidance to include AFI 36-2903 (Dress and Personal Appearance of Air Force Personnel) and Chapter 7 of the AFJROTC Operations Supplement (Uniform and Awards). Each cadet receives a Cadet Guide during the first week of classes. Cadets must be compliant with Air Force grooming standards prior to uniform issuance. Uniform issuance begins during the second week of classes with the goal of completion by the end of September. Any Cadet who is not compliant with AF grooming standards by **Friday, 22 September** will be removed from the program. It is safe to assume that if he/she has not complied with the prescribed standards by then, he/she is not committed to AFJROTC and therefore, doesn’t want to be in the program. **ROTC is voluntary. Under no condition should a student be coerced into taking this class by anyone!**

UNIFORM DAY:

Cadets are required to wear their uniform one day each week, and they must wear it for the entire school day, changing out of it only when required for gym class or other classes for which uniform wear may not be appropriate, such as wood shop, and certain art classes. They must change back into their uniform at the completion of any class not conducive to uniform wear. During this day, they will undergo a graded uniform inspection to ensure compliance with appropriate Air Force guidance. Uniform wear and drill **are not optional** aspects of the AFJROTC Program. They are integral parts of the “complete educational experience” that Air Force JROTC offers the high school cadet. **The designated uniform wear day is WEDNESDAY.** The SASI or ASI may change the uniform wear day for a particular week to coincide with special events. Instructors will provide sufficient advance notice of any change to the scheduled uniform day. Due to shortages of certain sizes in our uniform inventory, we may be unable to issue some Cadets their uniforms until later in the marking period. If this is the case, those Cadets will not be penalized. They will, however, need to be compliant with AF grooming standards during uniform inspection day as they will be inspected thusly. Wearing the AFJROTC uniform on designated days is a requirement of this course. To that end, cadets that fail to obtain permission for NOT wearing their uniform **PRIOR** to uniform day will be given a test grade of “0” for each violation. If a cadet fails to wear his/her uniform on the designated day (usually Wednesday), he/she may make it up the following day for a maximum grade of 70%. If a cadet wears his/her uniform for ROTC class but changes out of it before the end of the school day, he/she will receive a grade of 0 (zero) with no chance to make it up. We understand there are extenuating circumstances that may prevent a cadet from wearing the uniform on the designated day. We will deal with these on a case by case basis. Many of these instances can be foreseen so it is best to coordinate any exceptions prior to the uniform inspection day. Once issued to them, uniform serviceability (cleanliness) is ultimately the responsibility of the cadets. **Cadets are required to wear their Physical Training uniform for class on FRIDAYS. Failure to wear the PT uniform on for PT class on PT day will result in a reduction of a cadet’s PT grade of 50%.**

UNIFORM WEAR ON UNIFORM DAY IS A “TEST” GRADE. *UNDER THIS GRADING SYSTEM CADETS WILL HAVE GREAT DIFFICULTY EARNING A PASSING GRADE FOR THIS COURSE WITHOUT WEARING THEIR UNIFORM EVERY WEEK!* HABITUAL NON-WEAR OF THE UNIFORM AND FAILURE TO MAINTAIN STANDARDS WILL RESULT IN A FAILING GRADE AND DISMISSAL FROM ROTC. The first time a cadet fails to wear his or her uniform for the week (prescribed day and make-up day), his Flight Commander will inform him or her of the consequences of continued uniform violations. Additionally, the SASI or ASI will notify the Cadet’s parent or guardian. If a Cadet violates the weekly uniform wear policy a second time, he/she will be placed on probation, and the Cadet Disciplinary Action Board (DAB) will review his or her case and take appropriate action, usually in the form of a letter of counseling. The third violation of the uniform policy during the marking period will result in removal from ROTC. Only in rare instances will a Cadet be retained after three uniform violations within a marking period. A Cadet may appeal to the DAB for reconsideration. The SASI and ASI will review all appeals. A Cadet may request an excusal from wearing the uniform on a certain uniform day due to extenuating circumstances. Excusals should be coordinated prior to the uniform day. FYI, “My uniform is in the cleaners” is **NOT** a viable excuse.

HOMEWORK ASSIGNMENTS

Homework consists of reading the assigned pages **PRIOR** to class and the occasional written assignment. Failure to read the assigned pages will place the Cadet at a disadvantage. All reading assignments are posted on the ROTC Google Classroom. **We require ALL Cadets to join the ROTC Google Classrooms** as we post other assignments and information there continuously throughout the school year. Cadets may sign out text books if they have a problem with internet access. Instructors teach the class with the assumption that the Cadet will actively participate in classroom discussions. From time to time, instructors will assign additional projects to each Cadet that will require independent research. If a Cadet does not have ready access to the internet, ROTC instructors will provide class time and classroom computers to assist the Cadet in completing that research. This dynamic course will provide a great deal of knowledge about the how weather conditions affect aviation, and career opportunities in the 21st century. Like any other endeavor, the amount of work a Cadet applies will be directly proportional to the amount of information gained and retained.

COMMUNITY SERVICE:

Cadets are highly encouraged to perform community service. They will have multiple opportunities to perform Air Force JROTC sponsored community service during the school year. AFJROTC community service events must be planned, organized, and executed by the Cadet Corps under the supervision of a certified AFJROTC instructor. We expect each Cadet to perform at least 12 hours of AFJROTC sponsored community service during the school year.

CURRICULUM IN ACTION TRIPS (CIA)/FIELD TRIPS:

Throughout the school year, the Cadets will have opportunities to participate in school-sponsored activities that serve as an extension of the AFJROTC curriculum. These trips may include military base visits, museum tours, local government agencies, airports etc. **Cadets must be in good academic and disciplinary standing to participate.**

EVENT PARTICIPATION:

Except for unusual circumstances, we expect all Cadets to participate in certain co-curricular events throughout the school year. These events include the Cadet Group Change of Command Ceremony, Military Ball, Cadet Group Awards Ceremony, and the Jackson Township Memorial Day Parade. The Military Ball is a graded event since it requires multiple levels of planning and execution to replicate a time-honored military tradition. As a co-curricular event, it provides the student an opportunity to learn while doing. If a Cadet is unable to attend the Military Ball due to extenuating circumstances, he/she must make up the assignment by completing an essay focusing on the military ball to include its origins, history and traditions and why variations continue to be observed in all services. Time devoted to marching in the Jackson Township or Ocean County parades will count towards a Cadet’s community service participation and uniform inspection.

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. At the very least, inappropriate behavior will result in a significant

reduction of a cadet's merit balance. Certain extreme infractions may result in removal from ROTC. Final thought: **RESPECT** is the bottom line in our classroom. If you give it, you will receive it.

CLASSROOM RULES AND EXPECTATIONS

Cadets are **required** to arrive to class on time. (Unexcused tardiness will result in a decrease in a cadet's merit balance. Excess unexcused tardiness will result in action up to and including referral, suspension or elimination from the program). Prior to each class, Cadets will file into the room quietly and move by the most direct means to their assigned seats. Once a cadet has reached his/her assigned seat they will stand at the position of **"Parade Rest."** After the bell sounds for the start of class, the Flight Commander and Flight Sergeant will, in accordance with the procedures outlined in the Jackson (NJ-782) AFJROTC Cadet Guide, take attendance and prepare the class for instruction. Likewise, at the end of class, the Flight Commander and Flight Sergeant will dismiss the class following the appropriate protocol. Cadets will be held to the standards set forth in the Jackson (NJ-782) AFJROTC Cadet Guide. Additionally, Cadets are expected to be prepared for the day's assignment and to actively participate in class discussions, remembering that all opinions are valid and are to be respected.

Electronic devices including but not limited to cell phones, iPods, iPads/tablets, MP3 players, and mobile gaming devices (including visible earbuds/earphones) are **NOT PERMITTED** and will be stored in such a manner as to not be accessible to students during the duration of the class period (unless specifically authorized by the instructor). If a Cadet is observed using an unauthorized device, he/she will be given one warning for the school year. If he/she fails to comply or if he/she violates the electronic device policy at a future time, he/she will receive a discipline referral and a deduction from his/her merit balance for each infraction.

CONTACT NUMBERS AND EMAIL

Parents/guardians are encouraged to contact ROTC instructors throughout the school year. E-mail is the preferred method of contact. We typically respond to e-mails within a day. The best time to call is between 2:00 PM and 3:00 PM on weekdays. Please use the phone number and e-mail addresses listed on page one of this document. We will gladly arrange a conference if you request one. Please take advantage of our back to school night. We look forward to an exciting and productive learning experience for everyone enrolled in AFJROTC this year.

Syllabus Acknowledgement

I have read, understand and agree to the requirements for AFJROTC as described in the syllabus for the 2022-2023 school year.

***** Parent Email Address *****

***** Best Parent Contact Phone Number(s) *****

(To be used to keep you updated on Cadet Corps field trips and other activities. Please print legibly. Opt out at any time).

Student's Printed Name

Parent/Guardian Printed name

Student's Signature and Date

Parent/Guardian Signature and Date