



**AIR FORCE JUNIOR ROTC COURSE SYLLABUS AND
CURRICULUM PLAN
AY 2018 - 2019**



PART I: General Information

The Air Force Junior ROTC Program is a voluntarily enrolled elective course of study open to all students in grades 10-12 that provides a three-year academic course of study. 9th grade students are eligible. All students/cadets will wear the uniform weekly and maintain Air Force grooming standards.

The **mission** of the Air Force Junior ROTC 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 and service to the United States, develop 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.

Through these objectives cadets will develop:

1. An appreciation of the basic elements and requirements for national security.
2. Respect for and an understanding of the need for constituted authority in a democratic society.
3. Patriotism and an understanding of their personal obligation to contribute toward national security.
4. Broad-based knowledge of the aerospace age and fundamental aerospace doctrine.
5. An interest in completing high school and pursuing higher educational goals or skills.
6. An understanding of the Air Force and military as a possible career path.

All AFJROTC classes are blends of material from an Aerospace Science (AS) course, a Leadership Education (LE) course, and a Fitness/Wellness Program.

Instructors: Aerospace Science - Major (Ret) Eric Allen
Leadership Education – CMSgt (Ret) Luke Thompson

Course Methodology: Lecture and discussion, audiovisual presentations, group projects, individual reading & research, and hands-on & outdoor activities.

Course Credit: Cadets receive ½ credit (elective) per semester per class taken.

Graded Course Elements: Specific graded course elements are posted in the school online grade book

PART II: Course Content

1. AFJROTC 1 Curriculum: First-Year Cadets

A. AS-100: A Journey into Aviation History

AS-100 is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets.

Semester 1 Fall/Winter

Aviation History – Units 1, 2

Semester 2 Spring

Aviation History – Units 3, 4

The course objectives are:

- (1) Know the historical facts and impacts of the early attempts to fly.
- (2) Know the major historical contributors to the development of flight.
- (3) Know the contributions of the U.S. Air Force to modern aviation history.
- (4) Know the key events of space exploration history.

Textbook/Workbook: *Aerospace Science: A Journey into Aviation History*

B. LE-100: Citizenship, Character & Air Force Tradition

LE-100 intended for students who are entering the AFJROTC program and beginning their high school studies. It will introduce cadets to history, organization, mission, traditions, goals, and objectives of JROTC for all services. It introduces key military customs and courtesies, how to project a positive attitude, and exam the principles of ethical and moral behavior. It provides strategies for effective note taking and study skills for academic success. Lessons will cover how to be emotionally, mentally, and physically healthy. Avoiding and preventing violence in today's society will also be covered. How to recognize types of bullying and how to advocate for prevention of this type of behavior. It will cover healthy living, physical fitness, and how to make safe, drug-free, and responsible decisions. This textbook will also examine the negative effects of air and water pollution, and how to help keep the environment safe. Cadets will be introduced to civics and our national government, including a historical understanding of the American flag and other important national symbols. The final chapter will also cover how the US Constitution protects our rights and freedoms as American citizens.

Semester 1 Fall/Winter

Leadership I – Chapters 1, 2

Semester 2 Spring

Leadership I – Chapters 2, 6

The course objectives are:

- (1) Analyze the heritage, organization, and tradition of service programs.
- (2) Analyze the benefits of positive personal behavior.

- (3) Evaluate healthy living through physical activity and good nutrition.
- (4) Apply safe, drug-free decisions.
- (5) Analyze the importance of citizenship in the United States.

Textbook/Workbook: *Leadership Education I: Citizenship, Character & Air Force Tradition*

2. **AEJROTC 2 Curriculum: Second-Year Cadets**

A. AS-200: The Science of Flight: A Gateway to New Horizons

AS-200 is an introductory course and customized textbook that focuses on how airplanes fly, how weather conditions affect flight, 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.

Semester 1 Fall/Winter

The Science of Flight – Chapters 1, 2

Semester 2 Spring

The Science of Flight – Chapters 3, 4

The course objectives 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.

Textbook/Workbook: *Aerospace Science: The Science of Flight: A Gateway to New Horizons*

B. LE-200: Communication, Awareness, and Leadership

LE-200 stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

Semester 1 Fall/Winter

Leadership II – Units 1, 2

Semester 2 Spring

Leadership II – Units 3, 4

The course objectives are:

- (1) Apply the key factors of effective communications.
- (2) Know the ways in which personal awareness affects individual actions.
- (3) Know the key elements of building and encouraging effective teams.
- (4) Apply the key elements of building and encouraging effective teams.

Textbook/Workbook: *Leadership Education II: Communication, Awareness, and Leadership*

3. **AFJROTC 3: Third-Year Cadets**

A. AS-300: Exploring Space: The High Frontier

AS-300 is a science course that includes the latest information available in space science and space exploration. The course begins with the study of the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. It provides an in-depth study of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and the outer planets. It discusses issues critical to travel in the upper atmosphere such as orbits and trajectories unmanned satellites, and space probes. It investigates the importance of entering space and discusses manned and unmanned space flights, focusing on concepts surrounding spaceflight, space vehicles, launch systems, and space missions. The section on manned spaceflight focuses on the Space Shuttle, space stations and beyond, covering milestones in the endeavor to land on the Moon and to safely orbit humans and crafts for temporary and prolonged periods. The course covers the human aspect of spaceflight, focusing on the human experience in space. It also examines the latest advances in space technology, including robotics in space, the Mars Rover, and commercial uses of space.

Semester 1 Fall/Winter

Exploring Space – Unit 1, 3, 4

The course objectives are:

1. Know the history of astronomy and the specific characteristics of the Earth, Moon, solar system, and the planets.
2. Comprehend the big picture of space exploration, including the history of spaceflight, organizations doing work in space, and the overall space environment.
3. Comprehend the importance of entering space, characteristics of manned and unmanned spaceflight, and how humans are affected during spaceflight.
4. Comprehend the key concepts for getting from the surface of the Earth into Earth orbit and to other planets and back again.
5. Comprehend how spacecraft, rockets, and launch vehicles are designed and built.
6. Comprehend the latest advances in space technology.

Textbook/Workbook: *Aerospace Science: Exploring Space: The High Frontier*

B. AS-220: Cultural Studies: An Introduction to Global Awareness

AS-220 is a customized course about the world's cultures. The course is specifically created for the US Army, Marine Corps, Navy, and Air Force Junior ROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment, and assessments to guide in the reinforcement of the materials.

Semester 2 Spring

An Introduction to Global Awareness – Units 1 - 4

The course objectives are:

1. Know how historical, geographic, religious, and ethnic factors have shaped the six major regions of the world.
2. Know how economic, political, and social factors impact cultures.
3. Know how environmental resources influence global economic development.
4. Know how population density, famine, war, and immigration influence the world.
5. Know how the economic systems of communism and capitalism have shaped the six major regions of the world.
6. Comprehend how cultural perspectives of time, space, context, authority, interpersonal relationships, and orientation to community affect interactions among people.

Textbook/Workbook: *Cultural Studies: An Introduction to Global Awareness*

C. LE- 300: Life Skills and Career Opportunities

LE-300 provides an essential component of leadership education for today's high school students. This course it is designed to prepare students for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century.

Students will learn how to become a more confident financial planner and to save, invest, and spend money wisely, as well as how to avoid the credit trap. They will learn about real-life issues such as understanding contracts, leases, warranties, legal notices, personal bills, practical and money-saving strategies for grocery shopping, apartment selection, and life with roommates. 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 requirements that they will need to be successful at work and in life.

To help students increase their potential for success through education, they will learn how to select a school that is right for them; how to apply for admission to a vocational or technical school, community college, or college/university; and how to succeed in these learning environments. Information is provided on how to conduct the job search for students who wish to enter the workforce right after high school or after additional education and training. They will learn how to prepare a winning résumé, and how to develop effective interviewing skills. Students will become more skilled at using the Internet for career research and learn how to network safely using social media. The text also provides information on working for the federal government to include careers in the military, aerospace industry, and public service. Finally, students will consider the most important elements of life skills for all Americans: civic responsibilities, such as volunteering, registering to vote, jury duty, and draft registration.

Semester 1 Fall/Winter

Leadership III – Chapters 1, 2

Semester 2 Spring

Leadership III – Chapters 3 - 8

The course objectives are:

- (1) Analyze the elements of successful financial management skills.
- (2) Create a plan to safeguard personal resources.
- (3) Analyze the different ways of pursuing a career path.
- (4) Analyze the requirements for applying to a college or university
- (5) Analyze positive and negative impact of college life in meeting career goals.
- (6) Evaluate the essential process for successfully pursuing desired career or job.

- (7) Evaluate the benefits of working for the Federal Government.
- (8) Create a plan for successful career development.

Textbook/Workbook: *Leadership Education III: Life Skills and Career Opportunities*

4. AFJROTC 4: UT-931 Cadet Leadership

A. AS-400: Management of the Cadet Corps

AS 400 is intended for cadets who hold corps management/leadership positions. This hands-on experience affords cadets the opportunity to put theories of previous leadership courses into practice. Planning, organizing, coordinating, directing, controlling, and decision-making will be done by cadets. They will put into practice their communication, decision-making, personal-interaction, managerial, and organizational skills. There is no textbook for this course. The course syllabus will be structured so that cadets achieve course objectives by completing corps management activities.

The course objectives are:

- (1) Apply theories and techniques learned in previous leadership courses.
- (2) Analyze how to develop leadership and management competency through participation.
- (3) Analyze strengthened organizational skills through active incorporation.
- (4) Evaluate how to develop confidence in ability by exercising decision-making skills.
- (5) Evaluate Air Force standards, discipline, and conduct.

Textbook/Workbook: *No textbook*

B. LE-400: Principles of Management

LE-400 provides exposure to the fundamentals of management. The text contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their time in AFJROTC. We are confident this course, coupled with what cadets have already learned during their time in AFJROTC, will equip them with the qualities needed to serve in leadership positions within the corps. Throughout the text are many ethical dilemmas, case studies, and role play activities built into the lessons. These activities are based on real life experiences and will allow students the opportunity to practice what they learn by getting involved in discussions and expressing their opinions.

Semester 1 Fall/Winter

Principles of Management – Units 1, 2

Semester 2 Spring

Principles of Management – Units 3, 4

5. AFJROTC 5: Drill

A. LE-500: Drill and Ceremonies

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 for competitions and events. Most of the work is to be hands-on. Instructors are provided AFM 36-

2203 to teach the Drill and Ceremonies course. In addition, instructors may order the Army Field Manual 3-21.5 and the Interservice Cross-Index Drill Manual to supplement the teaching of Drill and Ceremonies. There is also a Drill and Ceremonies Instructional DVD available to aid you in teaching drill.

Semester 1 Fall/Winter

Drill and Ceremonies – Chapters 1 - 4

Semester 2 Spring

Drill and Ceremonies – Chapters 5 - 7

The course objectives are:

- (1) Know the importance of drill and ceremonies.
- (2) Know the 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.
- (9) Participate in competitions and events.

Textbook/Workbook: Air Force Manual 36-2203 *Personnel Drill and Ceremonies* Copyright 2004

6. AEJROTC 6: Aerospace Development

A. AS-410: Survival

AS 410 *Survival* is a synthesis of the basic survival information found in Air Force Regulation 64-4 *Survival Training*. The survival instruction will provide training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also presents “good to know” information that would be useful in any situation. The information is just as useful to an individual lost hunting or stranded in a snowstorm.

Semester 1 Fall/Winter

Survival – Units 1, 2

Semester 2 Spring

Survival – Units 3, 4

The course objectives are:

- (1) Know the elements of surviving.
- (2) Know how medicine procedures, clothing, and shelter can provide personal protection for a survivor in a survival situation.
- (3) Know the necessities for maintaining life in a survival situation.
- (4) Know how to travel and prepare for recovery in a survival situation.

Textbook/Workbook: *Survive * Return* (1997)

B. LE-Elective 1: Unlocking Your Potential (UYP)

The Unlocking Your Potential (UYP) course is a 14-unit Life Skills program that prepares and inspires young adults to succeed.” Students learn about the ingredients that make up a person’s potential...how great achievers become successful and how their techniques and systems can be applied. How to develop the right attitude...a positive self-image...positive self-talk...techniques for goal- setting...characteristics of high-performers...and much more. UYP provides students with hope and plays a decisive role in their lives by helping them decide where they are going...and how to get there.

Semester 1 Fall/Winter

Unlocking Your Potential – Units 1 - 7

Semester 2 Spring

Unlocking Your Potential – Units 8 - 14

The course objectives are:

- (1) Know the importance of managing change, stress, and innovation.
- (2) Know the key elements of individual and group behavior, the importance of the communication process, and the characteristics of a good leader.
- (3) Define and apply the concepts of: potential, conditioning, motivation, attitude, self-image, self-esteem, success, goals and understanding.
- (4) Know the importance of making the best of your potential.

Textbook/Workbook: *Unlocking Your Potential*

7. AFJROTC 1-6 (Health/Wellness, Drill, Community Service, Uniform Wear):

- A. Health and Wellness:** All AFJROTC Cadets are required to participate in the Cadet Health and Wellness Program one class period every two weeks. The course consists of various strength and endurance building exercises and physically demanding team activities designed to improve cadet fitness levels and to encourage cadets to integrate a fitness program into their lifestyles. Cadets absent or medically excused due to illness or injury, on physical training (PT) days, must make up that training by attending after-school PT the following Tuesday or Wednesday. Failure to do so will result in a grade of zero for that day. Cadets unable to participate in physical training will be dropped from AFJROTC.
- B. Drill:** The Drill and Ceremonies Curriculum provides an in-depth introduction to drill and ceremonies. This is not a stand-alone course, but is taught as part of the Leadership Education component for each Air Force Junior ROTC class. The Drill and Ceremonies curriculum concentrates on the elements of military drill, and teaches individual and group precision movements, procedures for saluting, and drill of the flight. Though each class will follow an established lesson plan, most of the work will be hands-on.
- C. Community Service:** Each cadet is required to complete four hours of community service per term for a grade. Each hour completed is worth 25 points toward the community service grade. Extra credit may be earned by completing more than the minimum requirement. An additional 25 points per hour will be given, up to a maximum of 4 hours, for each additional hour completed.

D. Uniform Wear: Cadets must wear the Air Force uniform a minimum of once each week, and are inspected for compliance with Air Force dress and grooming standards. Cadets absent on uniform wear day must make up the uniform wear their first day back to school. Cadets absent all week must wear the uniform twice the following week, or receive a grade of zero for the missed wear. Failure to wear the uniform, and to conform to Air Force dress and grooming requirements when wearing the uniform, results in a failing grade and potential removal from the course.

PART III: Grade Computation

The overall AFJROTC grade consists of inputs from both the Aerospace Science Instructor and the Leadership Education Instructor and is calculated as follows:

Aerospace Science:	40% of total AFJROTC grade
Leadership Education:	40% of total AFJROTC grade
Wellness/Physical Fitness:	20% of total AFJROTC grade (Daily grade is 50% dress and 50% participation/effort).

Grading Scale:	<u>Grade</u>	<u>Percentage Required</u>
	A	90 and above
	B	80 - 89
	C	70 - 79
	D	60 - 69
	F	59 and below

PART IV – Classroom Rules/Policies

The JROTC department conducts classes in strict compliance with the rules and policies outlined in the NHS Student Planner, as supplemented by the AFJROTC Class Room Rules and Cadet Honor Code published in the UT-931 Cadet Guide.

PART V – Methods of Contact

Major Allen	erallen@dsdmail.net	(801) 402-8547
CMSgt Thompson	luthompson@dsdmail.net	(801) 402-8515

PART VI – Online Grade Book

Students and parents can check current grades, homework assignments, and testing dates at the following website: www.davis.k12.ut.us.

PART VII-AFJROTC Website

Course documents and other material can be found on our website at <http://ut931.weebly.com/>
Additionally, announcements and other information can be found at our Facebook page Northridge JROTC.

Attachment 1

AFJROTC Classroom Rules

UT-931 Cadets are expected to obey all Northridge High School rules concerning class attendance and conduct. In addition, cadets will comply with the procedures contained herein while attending AFJROTC classes.

1. You are expected to be in class on time and standing at parade rest on the drill pad. Any cadet in violation of this rule will be marked tardy.
2. No feet on chairs or tables; no leaning back in desks or sitting on desk or table tops.
3. Treat school property with respect. Leave the classroom, cadet area, and campus neat. Place all trash in the trash receptacles.
4. No heads or backpacks on desks at any time...the classroom is a learning environment.
5. No gum chewing in the classroom.
6. Rudeness or disrespect toward others will not be tolerated. Treat others as you wish to be treated.
7. No one will leave the classroom without the instructor's permission. Use the restroom **before** you come to class. Restroom passes will only be granted in the case of emergencies.
8. No personal grooming in the class room (e.g. brushing/combing hair, application of make-up, application of nail polish, etc.).
9. When reporting to class you will have your assigned work, notebooks, workbooks, text books, and pen or pencil (sharpen pencils before the final bell) in your possession. **Arrive prepared for class.**
10. If you wish to speak, raise your hand and be acknowledged by the instructor **FIRST**.
11. All electronic devices will be turned off and put away upon entering the JROTC classroom.
12. Sunglasses, ear buds, and head phones will be removed and placed out of sight upon entering the JROTC classroom.
13. You will continue working until the SASI or ASI instructs the class to prepare for dismissal. When the dismissal bell rings, you will stand at **ATTENTION** at your desk and wait to be dismissed.
14. Avoid being absent unless absolutely necessary. **If you are absent (excused), makeup work must be turned in the day of your return to class (unless other arrangements have been made with the SASI or ASI). Missed tests must be taken within one week of your return.** It's your responsibility to find out what you missed and account for all material.

Attachment 2

Cadet Honor Code

"I WILL NOT LIE, CHEAT, STEAL, NOR TOLERATE THOSE WHO DO!"

As a cadet, you must set the example for others to follow. Your character must be above reproach and strong enough to withstand conflicting situations. Your words and actions must be above question because others will not follow someone they don't trust.

Doing what is right is not always easy. Sometimes you have to pay a high price for having the courage to stand by your convictions. You, the cadet, must believe in yourself and what is right. Being a leader involves having to make tough decisions and carrying them out for the benefit of the organization without regard for personal gain.

The ***Cadet Honor Code*** is a vehicle to guide you along the path of successful leadership and followership. If you tolerate a violation, you are as guilty as the one who commits the offense. Toleration in this society will come easy, and throughout life you will face temptation and urges that will encourage you to abandon your ideals. Some people have no problem with matters of conscience, because they choose not to be ethical. However, in winning at all costs, the advantages are short lived and the costs high.

Make the honor code and personal integrity part of your life. Because you are a cadet, you will be given responsibility, and you will be expected to perform. The ***Cadet Honor Code*** will prepare you for the rigors of life and leadership, and will play a vital role in the never-ending development of your character. It is a minimum standard from which a cadet can build and evaluate his/her moral character throughout the years.

Strict adherence to "the code" is required by each and every cadet at all times and in all situations. Personal integrity is a common thread that links cadets of the past, present, and future. Integrity, as embedded in the ***Cadet Honor Code***, will enable you and others to accomplish the tremendous tasks you are asked to do as you meet the challenges of life.

Attachment 3

Air Force JROTC Cadet Pledge

I am a United States Air Junior ROTC Cadet

I proudly wear the uniform of my country's armed forces

I pledge to live a life of integrity, provide selfless service to my community and my country and strive for excellence in everything I do.

I will not lie, cheat, steal, nor tolerate those who do.

Air Force JROTC Creed

I am an Air Force Junior ROTC Cadet.

I am connected and faithful to every Corps of Cadets who served their community and nation with *Patriotism.*

I earn respect when I uphold the Core Values *of Integrity First, Service Before Self, and Excellence in All We Do.*

I will always conduct myself to bring credit to my family, school, Corps of Cadets, community, and to myself.

My character defines me. I will not lie, cheat, or steal. I am accountable for my actions and deeds.

I will hold others accountable for their actions as well.

I will honor those I serve with, those who have gone before me, and those who will come after me.

I am a Patriot, a Leader, and a Wingman devoted to those I follow, serve, and lead.

I am an Air Force Junior ROTC Cadet.

