

# Air Force Junior Reserve Officer Training Corps (ROTC) I 2023/2024 COURSE SYLLABUS

**Course Name:** ROTC I (Aerospace Science 100)

**Credit Hours:** 1 Physical Education Credit

**Instructor Name & Point of Contact Info:**

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Senior Aerospace Science Instructor

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**Required Texts:**

- Aerospace Science 100: *Milestones in Aviation History 2<sup>nd</sup> Ed.*
- Leadership Education 100: *Traditions, Wellness, and Foundations of Citizenship*
- AF Manual 34-1203, *Drill and Ceremonies*
- Learn to Lead (L2L), *Cadet Drill Guide*
- Cadet Guide (School Year 2023/2024)

**Course Description:** Aerospace Science I is the introductory course for new cadets. The course consists of three components: Aerospace Science (AS) (40%), Leadership Education (LE) (40%), and wellness/physical Fitness (PT) (20%).

**AS 100 - *Milestones in Aviation History 2<sup>nd</sup> Ed.*:** is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations and flight, then progresses through time to future developments in aerospace, with an introduction into cyber technologies. The intent of this textbook is to bring alive the significant discoveries in flight. This book tells the story of why we are so proud of our Air Force heritage — laying the foundation for future Air Force JROTC aerospace science courses. Throughout the course 21<sup>st</sup> century learning is adopted with readings, video clips, hands-on learner centered activities, and chapter project-based learning opportunities.

Chapter 1: Exploring Flight (1<sup>st</sup> Semester)

Chapter 2: Developing Flight (1<sup>st</sup> Semester)

Chapter 3: Evolution of the Early Air Force (1<sup>st</sup> & 2<sup>nd</sup> Semester)

Chapter 4: Commercial and General Aviation Take-Off (2<sup>nd</sup> Semester)

Chapter 5: The US Air Force is Born (2<sup>nd</sup> Semester)

Chapter 6: The Modern Air Force (for info purposes only)

**LE 100 - *Traditions, Wellness, and Foundations of Citizenship*:** is the component of JROTC leadership education. It is 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 examine 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.

Chapter 1: Introduction to JROTC Programs (1<sup>st</sup> Semester)

Chapter 2: Personal Behavior (1<sup>st</sup> Semester & 2<sup>nd</sup> Semester)

Chapter 3: Be Health Smart (2<sup>nd</sup> Semester)

Chapter 4: Making Safe, Drug-Free Decisions (for info purposes only)

Chapter 5: The Foundations of United States Citizenship (1<sup>st</sup> Semester Lesson 1 only)

**Uniform Days (applies to both semesters):** Once uniforms are issued, students **WILL** wear the AFJROTC uniform weekly. The Dress Uniform (blues) will be worn on Wednesdays or Thursdays depending on that week's AFJROTC class schedule. Once issued, the Physical Training Uniform (PTU) will be worn on Fridays depending on that week's AFJROTC class schedule. If there is a change, the SASI and/or ASI will send out a Remind message and e-mail. The Dress Uniform must be worn all day, as described in the Cadet Guide. If a cadet changes out of his/her Dress Uniform, a grade of "0" will be given. If a cadet is absent on a scheduled Dress Uniform day or PTU day, the uniform will be worn on the scheduled make-up day (reference the Cadet Guide).

**Drill and Ceremonies (applies to both semesters):** Military drill (marching) and ceremonies will be incorporated throughout the year and is held the same day as Uniform Day. Drill and Ceremonies is a portion of the Leadership Education (LE) curriculum.

**The Wellness Program (applies to both semesters):** Wellness is an official and integral part of the Air Force Junior ROTC program. The Cadet Health and Wellness Program (CHWP) is an exercise program focused upon learning the foundations of wellness and making individual base line improvements. Regular physical activity in adolescents promotes health and fitness. Compared to those who are inactive, physically active youth have: higher levels of cardiorespiratory fitness and stronger muscles, lower body fatness, stronger bones, and reduced symptoms of anxiety and depression. 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 be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education I. Cadets will also complete a pre- and post- Physical Fitness Assessment.

### **Course Objectives:**

#### **Aerospace Science (AS):**

1. Describe historical facts and impacts of the early attempts of heavier-than-air flight. (1<sup>st</sup> Semester)
2. Analyze the impact World War I aviation had on commercial aviation. (1<sup>st</sup> Semester)
3. Examine the role aerial bombing had on the outcome of World War II. (1<sup>st</sup> & 2<sup>nd</sup> Semester)
4. Investigate the impact commercial jet aviation has had on US travel. (2<sup>nd</sup> Semester)
5. Analyze the lessons learned from global use of US airpower. (2<sup>nd</sup> Semester)
6. Evaluate developing technology that will affect the US Air Force of the future. (for info purposes only)

#### **Leadership Education (LE):**

1. Analyze the heritage, organization, and tradition of service programs. (1<sup>st</sup> Semester)
2. Analyze the benefits of positive personal behavior. (1<sup>st</sup> & 2<sup>nd</sup> Semester)
3. Evaluate healthy living through physical activity and good nutrition. (2<sup>nd</sup> Semester)
4. Apply safe, drug-free decisions. (for info purposes only)
5. Analyze the importance of citizenship in the United States. (Chapter 5 Lesson 1 only, 1<sup>st</sup> Semester)

#### **Drill and Ceremonies (Drill) (applies to both semesters):**

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 purpose and definition of ceremonies and parades.

### **Wellness and Physical Training (PT) (applies to both semesters):**

1. Motivate AFJROTC cadets to adopt active, healthy lifestyles beyond program requirements and into their adult lives.
2. Create an individualized training program based on national standards by age and gender.
3. Identify areas of improvements for each cadet and provide guidance for improvement.
4. Incorporate a physical fitness and wellness education program to reach fitness goals.

### **Grading Procedures:**

Semester grades will be the total of all weekly grades, projects and tests.

Normal weekly point breakout:

Aerospace Science	40
Leadership Education (includes Drill)	40
Wellness/Physical Fitness	<u>20</u>
Average weekly points possible	100

- a. Scheduled Major Exams: 1 end of year exam
- b. Major Grades: Once uniforms are issued, there will be a weekly Uniform/Drill Grade (no less than 4 per nine weeks), make-up work per Forney ISD policy.
- c. Daily Grades/Assignments: Will be included as part of the weekly AS, LE and PT grade
- d. Absences: Reference the Cadet Guide and Forney ISD Student Handbook
- e. Grades are tracked and can be seen any time thru Skyward; grades will be updated within 3-days of going final.

### **Grading Scale:**

A = 90% and above  
 B = 89% to 80%  
 C = 79% to 70%  
 F = 69% and below

**Mandatory Events:** Military Awards Ceremony (11 Apr 24). Students are required to attend to gain an understanding of formal military events.

### **Office Hours and Leadership Development Requirement (LDR) Times:**

- Our standard duty hours are from 0815 – 1615. We are located in rooms 601 (classroom) and 700 (the Hanger) and offices in between. Please enter thru the Hanger.
- TX-20081 LDR activities are typically conducted Monday thru Wednesday from 1645 – 1745. Fridays and Saturdays are on a case-by-case basis.

**Activity Fee:** The annual activity fee is **\$60.00** and must be paid by September 11, 2023.

### **Chromebook Procedures:**

1. Chromebooks will be utilized – NXT/TPC will be the Learning Management Platform for JROTC.
2. Must be fully charged
3. Do not drink without a lid when operating your Chromebook
4. When not in use, will be closed and grounded on the top of your desk to the right

**List of Supplies for Classroom use:**

1. Limited to paper and pen or pencil
2. Majority of all work will be completed utilizing NXT/TPC via Chromebooks

**Remind:** Remind is a broadcast one-way message via cellular phone or e-mail to both students and parents. Parents and students are encouraged to enroll in Remind.

**For AFJROTC I Cadets (1<sup>st</sup> year cadets) and parents: please follow the directions listed below:**



## Sign up for important updates from Col Parsons.

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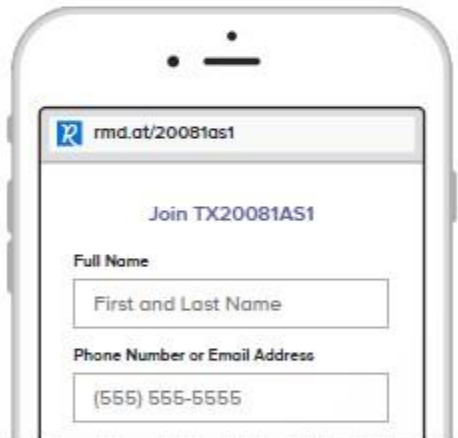
Pick a way to receive messages for TX20081AS1:

**A** If you have a smartphone, get push notifications.

On your iPhone or Android phone, open your web browser and go to the following link:

[rmd.at/20081as1](https://rmd.at/20081as1)

Follow the instructions to sign up for Remind. You'll be prompted to download the mobile app.




**B** If you don't have a smartphone, get text notifications.

Text the message @20081as1 to the number 81010.

If you're having trouble with 81010, try texting @20081as1 to (571) 364-6571.

\* Standard text message rates apply.



Don't have a mobile phone? Go to [rmd.at/20081as1](https://rmd.at/20081as1) on a desktop computer to sign up for email notifications.