

Air Force Junior Reserve Officer Training Corps (AFJROTC) I 2021/2022 COURSE SYLLABUS

Course Name: AFJROTC I (Aerospace Science 100)

Credit Hours: 1 Physical Education Credit

Instructor Names & Point of Contact Info:

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Required Texts:

- Aerospace Science 100: *Milestones in Aviation History*
- Leadership Education 100: *Traditions, Wellness, and Foundations of Citizenship*
- Cadet Guide (School Year 2021/2022)

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*: 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 21st century learning is adopted with readings, video clips, hands-on learner centered activities, and chapter project-based learning opportunities.

- Chapter 1: Exploring Flight (1st Semester)
- Chapter 2: Developing Flight (1st Semester)
- Chapter 3: Evolution of the Early Air Force (1st Semester)
- Chapter 4: Commercial and General Aviation Take-Off (2nd Semester)
- Chapter 5: The US Air Force is Born (2nd Semester)
- Chapter 6: The Modern Air Force (2nd Semester)

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 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.

- Chapter 1: Introduction to JROTC Programs (1st Semester)
- Chapter 2: Personal Behavior (1st Semester & 2nd Semester)
- Chapter 3: Be Health Smart (2nd Semester)

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

Chapter 5: The Foundations of United States Citizenship (for info purposes 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. If earned, the Airman Battle Uniform (ABU) may be worn on the first and third Wednesday of the month. Cadets may wear their TX-20081 polo shirt (type will be posted on daily announcements) or their ABUs (if earned) every Tuesday. Once issued, the Physical Training Uniform (PTU) will be worn on (Friday). If there is a different change than what is noted above, 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 Wednesday Uniform Day. Drill and Ceremonies is a portion of LE.

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 with the goal of achieving a Presidential Physical Fitness standard calculated with age and gender at the end of the year. 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.

Course Objectives:

Aerospace Science (AS):

1. Describe historical facts and impacts of the early attempts of heavier-than-air flight. (1st Semester)
2. Analyze the impact World War I aviation had on commercial aviation. (1st Semester)
3. Examine the role aerial bombing had on the outcome of World War II. (2nd Semester)
4. Investigate the impact commercial jet aviation has had on US travel. (2nd Semester)
5. Analyze the lessons learned from global use of US airpower. (for info purposes only)
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. (1st Semester)
2. Analyze the benefits of positive personal behavior. (1st & 2nd Semester)
3. Evaluate healthy living through physical activity and good nutrition. (2nd Semester)
4. Apply safe, drug-free decisions. (for info purposes only)
5. Analyze the importance of citizenship in the United States. (for info purposes only)

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.

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 6 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 Ball and Military Awards Ceremony. Students are required to attend both events to gain an understanding of formal military events.

Office Hours and Leadership Development Requirement (LDR) Times:

- Our standard duty hours are from 0800 – 1615. We are located in rooms 601 (classroom), 700 (the Hanger) and 705 (classroom). Please enter thru the Hanger first.
- TX-20081 LDR activities are conducted Monday thru Thursday 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 17, 2021

Chromebook Procedures:

1. Chromebooks will be utilized – NXT/TPC will be the Learning Management Platform
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 (1st year cadets) and parents: please follow the directions listed below:



Sign up for important updates from Chief Garcia.

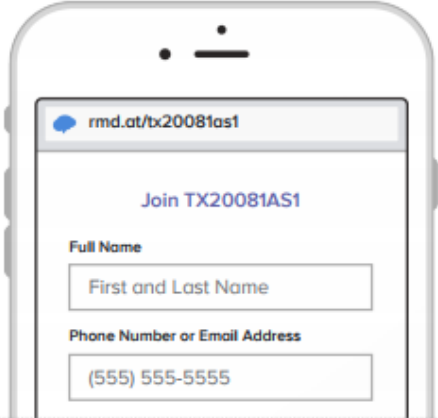
Pick a way to receive messages for TX20081AS1:

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/tx20081as1

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

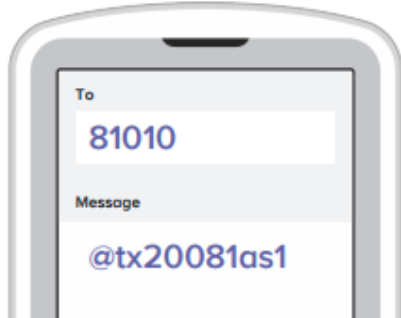
A smartphone screen displaying the Remind sign-up page. The URL "rmd.at/tx20081as1" is at the top. Below it is the heading "Join TX20081AS1". There are two input fields: "Full Name" with the placeholder "First and Last Name", and "Phone Number or Email Address" with the placeholder "(555) 555-5555".

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

Text the message @tx20081as1 to the number 81010.

If you're having trouble with 81010, try texting @tx20081as1 to (254) 382-0523.

* Standard text message rates apply.

A smartphone screen showing a text message. The "To" field contains the number "81010". The "Message" field contains the text "@tx20081as1".

Don't have a mobile phone? Go to rmd.at/tx20081as1 on a desktop computer to sign up for email notifications.