

Air Force Junior Reserve Officer Training Corps AFJROTC III – Exploring Space Course Outline

2022-2023 School Year

Courses: Aerospace Science (AS) 300–Exploring Space: The High Frontier
Leadership Education (LE) 300 –Life Skills and Career Opportunities
Drill & Ceremonies
Wellness

Credit hours: 1 Elective credit (after completion of full school year, 2 semesters)

Instructor's Name: Lt Col Washington and MSgt Peters

Required Text and Material:

Aerospace Science 300:	Leadership Education 300:	AFMAN 36-2203
Exploring Space: The High Frontier	Life Skills & Career Opportunities	Personnel Drill and Ceremonies
Chap 1: The History of Astronomy Chap 2: The Solar System Chap 3: Space Exploration Chap 4: Space Programs Chap 5: Space Stations and Beyond Chap 6: Space Probes and Robotics Chap 7: Orbiting, Space Travel, and Rockets Chap 8: Cyber Security	Chap 1: Charting Your Financial Course Chap 2: Managing Your Resources Chap 3: Career Opportunities Chap 4: Aiming Towards a College Degree Chap 5: Charting Your Course Chap 6: Applying for Jobs Chap 7: Working for the Federal Gov't Chap 8: Developing Your Career Skills	Chap 4: Drill of Flight Chap 5: Drill of the Squadron Chap 6: Group and Wing Formations

Course Description:

AFJROTC III – Is a combination of Aerospace Science 300, Leadership Education 300, Drill, and Wellness

AS-300, Exploring Space. This is the third AS course for all cadets. It provides cadets with the latest information on exploring space and an introduction to cybersecurity and technology. The course includes a history of astronomy, an overview of the Solar System, and a history of space travel to include probes and robotics. Cadets will examine the effects of space on the human body, and investigate the history of rockets, launch vehicles, and the coordinated systems required for a successful launch into space.

The course objectives are:

1. Explain the history of astronomy throughout time.
2. Analyze the various elements of the solar system.
3. Investigate the components of space exploration and the current strategic plan for space exploration.
4. Analyze past space programs and the effect of space on the human body.
5. Examine the history of space exploration and the future of space travel.
6. Discuss the role of space probes and robotics in space exploration.
7. Evaluate the science and technology required for space travel.
8. Analyze the concept of cyber security and methods for staying safe online.

LE-300, Life Skills and Career Opportunities. The LE-300 textbook provides an essential component of leadership education and is designed to prepare cadets for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st-century. Lessons will focus on financial management, planning for college or the workplace, and how their attitude can affect their success.

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.

NOTE: Cadets will receive instruction in Leadership Education 100, Chapter 1 to lay a foundation for all cadets. This instruction will precede the LE-300 coursework.

Drill. 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. Though each class will follow an established lesson plan, most of the work will be hands-on. Instructors use the provided AFM36-2203 to teach the Drill and Ceremonies course.

The course objectives are:

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. Know the purpose and definition of ceremonies and parades.

Wellness. Wellness is an official and integral part of the Air Force Junior ROTC program. It consists of two exercise programs focused upon individual baseline improvements with the goal of achieving a national standard as calculated by age and gender. The Wellness curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education 100.

The course objective for the Wellness Program is to:

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

Uniform Day: ***Wednesday*** and ***Special Events as stated by SASI/ASI.*** Requirements are specifically outlined in the Cadet Guide. One cannot successfully complete the AFJROTC class without complying with the uniform wear requirement.

PT Day: *Tuesday*. Uniform will be issued/or available for purchase and student is required to dress and participate.

Grading Procedures:

Test =	40%		1st Nine Weeks =	40%
Dress & Appearance/Bearing =	30%		2nd Nine Weeks =	40%
Physical Training/Drill =	20%		Final Exam =	20%
Quiz/Tasks =	10%			

NOTE: Additional details for classroom management, behavior expectations, and other requirements are described in the GA-20062 Cadet Guide located on the Carroll County Schools Air Force JROTC webpage. Cadets are required to read and adhere to everything noted in the Cadet Guide.

All cadets must check their school email at least 3 times a day to stay informed. Also, check the JROTC Google Classroom, and the JROTC Website for updates as well.

Flexibility, determination, and a positive attitude will be keys to success.

AFJROTC Course Outline Signature Page

We acknowledge that the course outline for AFJROTC III has been read and understood for SY2022-2023. Please sign and return to AFJROTC by August 9, 2022.

Parent Print: _____

Student Print: _____

Parent Signature: _____

Student Signature: _____

Date: _____