

**C. A. JOHNSON HIGH SCHOOL  
RICHLAND COUNTY SCHOOL DISTRICT ONE  
COURSE REQUIREMENTS AND PROCEDURES FORM**

COURSE: AEROSPACE SCIENCE X ALL YEAR COURSE

TEACHER: CMSgt James Powell (Ret) \_\_\_\_\_ SEMESTER COURSE

DATE: 16 Aug 2023 \_\_\_\_\_ QUARTER COURSE

Grading Scale
A = 90 - 100
B = 80 - 89
C = 70 - 79
D = 60 - 69
F = 0 - 59

ADMINISTRATOR APPROVAL *Mark Dwyer, API*

**COURSE TOPICS:** AEROSPACE SCIENCE / ROOM B-34

**Course Contact:** 120 hours (General Elective)

**Uniform Wear:** Blue/ABU Uniform – Tuesday/Wednesday/PT Uniform (PTU) – Friday

**REQUIRED TEXT AND MATERIALS:** Aerospace (AS)-220 Cultural Studies – An Introduction to Global Awareness  
Laptop  
Leadership (LE)-300: Leadership Education  
AF Manual 36-2203, Personnel Drill and Ceremonies  
Student Workbooks  
Selected Video Tapes  
Cadet Guide  
Tennis Shoes

**COURSE DESCRIPTION: CURRICULUM PLAN – 2023-2024 ACADEMIC YEAR**

This course is comprised of Aerospace Science (40%), Leadership Education (40%) and Wellness/Physical Fitness (20%). The Leadership Education portion of the course examines career opportunities and emphasizes life skills. Students will be given the opportunity to study career paths after high school; how to apply for college or vocational/technical schools; how to begin the job search; how to prepare a resume; and the importance of good interviewing skills. The Drill and Ceremonies course is integrated in this course as part of Leadership Education. Cadets are provided fundamental and in-depth instruction in Air Force drill and ceremonies. Wellness is an official part of the Air Force Junior ROTC program. It is an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated with age and gender and complements the health and wellness portion of this course.

**THE COURSE OBJECTIVES AND GOALS:**

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.

### **Leadership Education Course Outcomes:**

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.

### **Wellness and Physical Fitness**

1. Motivate AFJROTC cadets to lead 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.
4. Incorporate a physical training program to reach goals.

### **Uniform Day/Inspection**

It is mandatory that cadets wear the Air Force JROTC uniform weekly (**Tuesday/Wednesday**) 0800-1515 hours and the **issued** Physical Fitness Uniform (PTU) uniform every other Friday. **Any missed blue uniform wear can be made up prior to any schedule absence or after returning to school after an absence.** Cadets can wear their uniform any day of the week for a make-up, but, will be issued a grade based on the make-up policy. **UNIFORMS WILL BE WORN THE ENTIRE DAY. Uniform grades will be made at the end of the quarterly.**

Make-up uniform inspections will not receive a grade higher than 70 percent and there is no make-up grade for the PTU. Cadets are expected to always maintain a high standard of dress and appearance while in uniform. They shall wear the uniform in a manner that emphasizes pride and keeps personal appearance above reproach (i.e. haircuts, weight standards, etc.). Male Cadets are not allowed to wear earrings while in any type of AFJROTC uniform items. In addition, Cadets are not allowed to wear nose rings while wearing AFJROTC issued uniform items. The PTU will be worn every other Friday and will be graded. Refer to the Cadet Guide for proper uniform wear procedures. The uniform evaluation criterion is attached to the syllabus.

**NOTE: Any cadet that misses more than two uniform inspections/wears per quarter (9 weeks) will receive an automatic failing grade!**

**Instructor Hours:** Our standard duty hours are 0800 – 1600 hours. We are located in Room B34. We have an open door policy, and you can walk in to discuss anything you need. If you want to be sure to see us, I suggest you call and make an appointment (803-253-7068) to minimize your waiting time.

**Grades and Evaluation:** You will be evaluated/graded at least seven times quarterly and your grades will be broken down into the following areas:

You will be constantly evaluated in some form or another during your life. This class is no different! Your overall attitude, demonstrated enthusiasm to learn, and your constructive participation in class will dictate your evaluation grade. Remember that the way you present yourself may push your grade a point higher. Everyone is expected to be prepared for each (virtual or in-person) class by completing reading assignments and/or other assigned tasks and contribute by participating in classroom discussions. In addition, all assignments must be completed and turned in at the appointed time unless we make arrangements

differently beforehand. Cadets who have less than a 70 percent average will require parent contact by a JROTC instructor. Also keep in mind that you will have several opportunities to earn a good grade!

**Redo Policy:** Cadets who earn less than 70 percent on an assessment may come after school for re-teaching of the material and a retest. Cadets are not authorized more than three retakes per test/assessment. This must be done 2 weeks prior to the district's finalization of grades for the 9 weeks. It is the cadet's responsibility to arrange the re-teach retest. However, the highest grade a cadet can receive is a 70 percent.

**Exams:**

The exams will be based on lesson objectives and assigned readings, classroom discussions, or lectured material in your Aerospace and Leadership text books, Air Force Junior ROTC Cadet Guide, corresponding workbooks, and videos. These exams may be made up of multiple choice, matching, short essay type questions, and fill in the blanks type questions. Some exams may be shorter in length, while others will be longer. All exams regardless of length will weigh the same. All questions will be derived from the assigned readings and will be reinforced during classroom discussions. Therefore, it benefits the entire class if everyone completes their reading assignments and is prepared for classroom discussions.

**Any missed exams must be made up. Makeup exam time and location will be determined as required.**

**EVALUATION:**

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**ANY MISSED EXAMS MUST BE MADE UP. MAKEUP EXAM TIME AND LOCATION WILL BE DETERMINED AS REQUIRED.**

10-POINT GRADING SCALE	PERCENTAGE REQUIRED
A	90% AND ABOVE

<b>B</b>	<b>80% - 89%</b>
<b>C</b>	<b>70% - 79%</b>
<b>D</b>	<b>60% - 69%</b>
<b>F</b>	<b>59% AND BELOW</b>

**PRESENTATIONS:**

You shall be assigned an oral briefing or project once per semester. This assignment should showcase your verbal communication skills. You will prepare and present a 3-5 minute briefing on a subject to be determined. The target time for this presentation is 5 minutes and points will be deducted for those that are outside the 3-5 minute range. All topics will be submitted to the instructor for approval at a date to be specified later.

**WRITTEN ASSIGNMENTS:**

You may be required to complete a Talking Paper covering your presentation topic to be turned in one class before your scheduled presentation. The intent of this paper is to assist you in planning, organizing, and delivery of your presentation. Additional writing assignments may be assigned if it is determined additional research or effort is needed on a particular subject matter.

**ATTENDANCE:**

Attendance will be considered in determining your final grade but it is subordinate to measurable performance based on lesson objectives. You will lose points on attendance for being late or unexcused absences. As an Air force Junior ROTC cadet, you will be expected to be punctual and present at your appointments. Two will points deducted for each infraction.

**CURRICULUM IN ACTION (CIA) TRIPS:**

Cadets will have at least one opportunity to go on a CIA trip during the school year. Cadets must be passing all classes, not be on suspension on any kind, have no more than three unexcused absences or tardy arrivals for any class, and a positive demerit balance.

**DRILL:**

Participation in drill practice is a mandatory item. Experienced AS 200 cadets and above should be able to execute the 30-Step Drill Sequence accurately. AS 100 students should memorize and execute 15 of 30 drill commands by the end of the school year. The 30-Step Drill Sequence card can be located within the syllabus. Request for an excuse from drill practice must be accompanied by a written statement from a parent and or a physician.

**PHYSICAL EDUCATION:**

Cadets will be required to perform physical conditioning every other Friday for at least 45 minutes and all activities shall be performed in the PT uniform.

**CLASS PROTOCOL:**

It is an Air Force custom to stand at attention when a ranking officer enters or leaves a room, so we will observe this custom in the AFJROTC class. Unless directed otherwise, the first cadet viewing the instructor, ranking officer or administrator enter the room will call the class to attention. No food or drinks are allowed during class without the permission of an instructor. Cadets are considered late if they aren't behind their desk at parade rest prior to the tardy bell with student IDs displayed.

**MERIT/DEMERIT PROCEDURE:**

Policy can be used by any instructor, administrator, teacher, or flight commander to document positive or negative actions/behavior. Positive classroom behavior and participation shall be rewarded with events such as ice cream socials, pizza parties, individual awards/privileges, aircraft incentive rides, etc.

**CELL PHONES:**

Cell phones will be collected at the start of class and returned at the end of the class period. Cell phone policy is in accordance with Richland County One School district instructions. Cell phones must remain turned off and out of sight during the instructional day unless the student is in a free zone area during the appropriate timeframe. Students who use the telecommunications device during the school day will have the device confiscated and parents will be notified to pick up the device from the principal's office. Any student who refuses to turn over their cell phone will be considered insubordinate and will receive additional disciplinary consequences.

**WHAT YOU CAN EXPECT FROM US:**

**BOTTOM LINE,** we want you to succeed. Come see us if you have questions on the material, career paths, or life in general.

<b>FALL SEMESTER</b>	<b>FALL SEMESTER</b>
<b>AS AEROSPACE SCIENCE: Cultural Studies: An Introduction to Global Awareness, AS 220, and Intro to Drill &amp; Ceremony</b>	<b>LE Leadership Education II: Communications Awareness and Leadership, LE 300, and Intro to Drill &amp; Ceremony</b>
<b>WEEK 1-2:</b>	<b>WEEK 1-2:</b>
WK 1-2: Classroom Orientation, Survey, WINGS Acct Creation, Uniform Sizing, Intro to Drill & Ceremony, Review Chapter 1-4 of Cadet Guide, Learn JROTC and Active Duty Officer Ranks/Chain of Command Uniform wear class	WK 1-2: Classroom Orientation, Survey, WINGS Acct Creation, Uniform Sizing, Intro to Drill & Ceremony, Review Chapter 1-4 of Cadet Guide, Learn JROTC and Active Duty Officer Ranks/Chain of Command Uniform wear class
<b>WEEK 3-7:</b>	<b>WEEK 3-7:</b>
<b>Chap 1, The Middle East</b>	
WK 3 Lesson 1: The Middle East: An Introduction the Middle East /Drill	WK 3 Review Cadet Guide Chapters 5-9
WK 4 Lesson 2: The Arab-Israeli Conflict /Drill	WK 4 Lesson 1: Organization of AFJROTC/Drill
WK 5 Lesson 3: The Persian Gulf Wars / Drill	WK 5 Lesson 2: The Military Uniform and Appearance Standards
WK 6 Lesson 4: Islamic Fundamentalism and Terrorism / Drill	WK 6 Lesson 3: Customs and Courtesies,
WK 7 Lesson 5: US Interests and Regional Issues in the Middle East	WK 7 Lesson 1: The American Flag and Other Symbols/Drill-W7
Review/Test From Chap 1 & 6	Review/Test From Chap 1 & 6
<b>Week 8-11:</b>	<b>WEEK 8-11:</b>
<b>Chap 2, Asia</b>	<b>Chap 1, Creating a Budget</b>
WK 8 Lesson 1: Asia: An Introduction /Drill	WK 8 Lesson 1: Creating a Budget/Drill
WK 9 Lesson 2: Japan, Korea, and China /Drill	WK 9 Lesson 2: Savings and Bank Accounts /Drill
WK 10 Lesson 3: India, Pakistan, and Afghanistan / Drill	WK 10 Lesson 3: Real-Life Issues in Buying and Selling/Drill
WK 11 Lesson 4: Environmental and Social Issues in Asia/Drill	WK 11 Review/Test From Chap 1
<b>WEEK 12-14:</b>	<b>WEEK 12-14:</b>
Lesson 5: US Interests and Regional Issues in Asia /Drill	<b>Chap 2, Managing Your Resources</b>
WK 12 / Review/Test From Chap 2	WK 12 Lesson 1: Avoiding the Credit Trap/Drill
<b>Chap 3, Africa</b>	
WK 13 Lesson 1: Africa: An Introduction	WK 13 Lesson 2: Insurance for Protecting Your Resources/Drill
WK 14 Lesson 2: The Shadow of Western Colonialism / Drill	WK 14 Review/Test From Chap 2
<b>WEEK 15-19:</b>	<b>WEEK 15-19:</b>
	<b>Chap 3, Career Opportunities</b>
<b>WEEK 15: THANKSGIVING BREAK</b>	<b>WEEK 15: THANKSGIVING BREAK</b>
WK 16 Lesson 3: Dictators, Leadership Challenges, and Ethnic Clashes	WK 16 Lesson 1: Researching Careers/Drill
WK 17 Lesson 4: AIDS, Health, Poverty, and Human Rights /Drill	WK 17 Lesson 2: Self-Discovery/Drill
WK Lesson 5: US Interests and Regional Issues in Africa/Drill	WK 18 Lesson 3: Career Paths/Drill
WK 18 Review/Test From Chap 3	WK 18 Review/Test From Chap 3
<b>WEEK 19: CHRISTMAS BREAK</b>	<b>WEEK 19: CHRISTMAS BREAK</b>

<b>WEEK 20-25:</b>	<b>WEEK 20-25:</b>
WK 20: Christmas Break	WK 20: Christmas Break
<b>Chap 4, Russia and the Former Soviet Republics</b>	<b>Chap 4, Aiming Towards a College Degree</b>
WK 21 Lesson 1: Russia and the Former Soviet Republics: An Introduction /Drill	WK 21 Lesson 1: Financing for College/Drill
WK 22 Lesson 2: Economic Restructuring: Communism and Capitalism /Drill	WK 22 Lesson 2: Selecting a College/Drill
WK 23 Lesson 3: Russia and the Republics /Drill	WK 23 Lesson 3: Navigating the Testing Maze /Drill
WK 24 Lesson 4: Russia and World Relationships /CLC Introduction/Screening	WK 24 Lesson 4: Essays, Interviews, and Campus Visits/CLC Introduction/Screening
WK 25 US Interests and Regional Issues in Russia and the Former Soviet Republics/Review/Test From Chap 4	WK 25 Review/Test From Chap 4
<b>WEEK 26-29:</b>	<b>WEEK 26-29:</b>
<b>Chap 5, Latin America</b>	<b>Chap 5, Charting Your Course</b>
WK 26 Lesson 1: Latin America: An Introduction /Drill	WK 26 Lesson 1: Adjusting to College Life/Drill
WK 27 Lesson 2: Economic Reform, Leadership, and the Political Pendulum /Drill	WK 27 Lesson 2: Choosing a Major/Drill
WK 28 Lesson 3: Cartels and the Growing Drug Trade /Drill	WK 28 Lesson 3: Planning Your Schedule/Drill
WK 29 Lesson 4: Poverty, Educational Limitations, and Environmental Challenges /Drill	
WK 29 US Interests and Regional Issues in Latin America /Review/Test From Chap 5	WK 29 Review/Test From Chap 5
<b>WEEK 30-32:</b>	<b>WEEK 30-32:</b>
<b>Chap 6, Europe</b>	<b>Military Etiquette</b>
WK 30 Lesson 1: Europe: An Introduction /Drill	WK 30 Lesson 1: Dining Inn and Dining Outs/Drill
WK 31 Lesson 2: The European Union /Drill	WK 31 Lesson 2: Military Protocol/Drill
WK 32 Lesson 3: Immigration, Terrorist Cells, and Ethnic Strife /Drill	WK 32 Lesson Military Protocol/Drill
<b>WEEK 33 SPRING BREAK!!!</b>	<b>WEEK 33 SPRING BREAK</b>
<b>WEEK 34-38:</b>	<b>WEEK 34-38:</b>
<b>PT Eval</b>	<b>PT Eval, Chap 6, Applying for Jobs</b>
WK 34 Lesson 4: The Creation and Collapse of Yugoslavia	WK 34 Lesson 1: The Job Search Process/Drill
WK 35 Lesson 5: US Interests and Regional Issues in Europe/Drill	WK 35 Lesson 2: Preparing Your Resume/Drill
WK 36 Review/Test From Chap 6	WK 36 Lesson 3: Building Interview Skills/Drill
<b>Chap 7, Working for the Federal Government</b>	<b>Chap 7, Working for the Federal Government</b>
WK 37 Lesson 1: Military Careers/Drill	WK 37 Lesson 1: Military Careers/Drill
WK 38 Lesson 2: Careers in Aerospace/ Public Service	WK 38 Lesson 2: Careers in Aerospace/ Public Service
Review/Test From Chap 7	Review/Test From Chap 6/7
<b>WEEK 39-41:</b>	<b>WEEK 39-41:</b>
<b>Developing Your Career Skills</b>	<b>Developing Your Career Skills</b>
WK 39 Lesson 1: Planning Your Professional Development/Drill	WK 39 Lesson 1: Planning Your Professional Development/Drill
WK 40 Lesson 2: Learning to Work With Others/Drill	WK 40 Lesson 2: Learning to Work With Others/Drill

WK 41 Lesson 3: Seeking Feedback and Promotions/Drill	WK 41 Lesson 3: Seeking Feedback and Promotions/Drill
WK 41 Lesson 4: Your Civic Responsibility	WK 41 Lesson 4: Your Civic Responsibility

<b>PHYSICAL EDUCATION SCHEDULE (FRIDAY ONLY)</b>
WEEK 1-2: PT Evaluation Overview, GLP's
WEEK 3-4: Practice PT 1mi Run/Pushups/Sit-ups
WEEK 5-6: PT Eval
WEEK 7-8: 1 mile run, Group PT Games
WEEK 9-10: Sprints/Weight Room
WEEK 11-12: 1mi Run/Dodge Ball
WEEK 13-14: 1 mi Run/Volley Ball (WK 13 - Vet Parade)
WEEK 15-16: Boot camp Workout (WK 15 - Thanksgiving Break)
WEEK 17: 1 mile run, Group PT WK 18 - Early Release)
WEEK 18-19: Winter Break
WEEK 20-21: 1 mi Run/Weight Room (WK 22 - Student Holiday)
WEEK 22-23: 1 mi Run/Weight Room
WEEK 24-25: 1 mi Run/GLP's/CLC Practice
WEEK 26-27: 1 mi Run/GLP's/CLC Practice
WEEK 27-28: Basketball/1 mi Run/ CLC Practice
WEEK 29-30: GLP's/1 mi Run/CLC Practice
WEEK 31--32: Flag Football/PT Eval
WEEK 32 PT Eval
WEEK 33 SPRING BREAK!!!
WEEK 34-35: End of Year Field Day
WEEK 36-41: CLC Practice/Army Nat'l Guard Bootcamp