



**FOUNDATIONS OF THE
UNITED STATES AIR FORCE
ARSC 200
Fall 2008**



Col Robert E. Pecoraro

MEMORANDUM FOR ALL ARSC 200 STUDENTS

2 Sept 08

FROM: AFROTC Det 330/CC

SUBJECT: ARSC 200 Syllabus

1. Welcome to ARSC 200! This course is designed to be interesting, fun and meaningful. As your text, *The Evolution of USAF Air and Space Power* states, this course is not merely a history of airpower. It is more sharply focused, analyzing historical events to show how they contribute to Air Force doctrine. Your readings in the textbook will relate events and people that shaped history. I'll discuss with you and your classmates the effect of these lessons learned on today's Air Force. In our next class meeting, we will start our journey through the evolution of air and space power by defining the basic terms most important to Air Force doctrine, including the principles of war; the tenets of air and space power; the Air Force's roles, missions, and functions; and its core competencies and distinctive capabilities. Once we've laid the groundwork of essential terms, the course will chronologically examine the evolution of air and space power. However, this is not a history class; the course will not focus on dates and times but on how U.S. air and space power was employed. You will have the opportunity to discuss in more detail - via briefings and Talking Papers - what the Air Force will look like in 2025. For example, will the Air Force still need pilots or will Unmanned Aerial Vehicles (UAVs) and satellites rule the environment? How might stealth technology be applicable? What will aircraft look like? Throughout this program, we'll take periodic breaks to discuss the Capabilities, Functions, and Doctrine information that you'll find in your student text. This will give us an opportunity to capture just how fast air and space power have evolved over the past century.

OFFICE HOURS: Monday to Friday, 0800 - 1600; please call Ms. Rich for an appointment at (301) 314-3242 -.

Rm. 2116 Cole Field House

E-MAIL: rpecorar@umd.edu

PHONE: (301) 314-3245

COURSE SESSIONS: Section 0101: Th 1100-1150 Cole 3109

Section 0102: Th 1200-1250 Cole 3109

Section 0103: Tu 0900-0950 Cole 2126

2. READ THIS ENTIRE LETTER AND KEEP IT FOR FUTURE REFERENCE. It contains information vital for your success in class.

3. COURSE OBJECTIVES: The ARSC 200 student should

- A. Know the key terms and definitions used to describe air and space power.
- B. Comprehend the events, leaders, and technical developments that surrounded the evolution of USAF air and space power.
- C. Demonstrate the basic verbal and written communication skills
- D. Comprehend the Air Force Core Values and examples of their use throughout the evolution of USAF air and space power.

4. GENERAL COURSE INFORMATION

A. Lesson Objectives: Each lesson has a specific Lesson Objective (LO) and associated Samples of Behavior (SOB). LOs and SOBs for each lesson can be found in the textbook, *The Evolution of USAF Air and Space Power*. **Exam questions will be derived from the SOBs and will consist of material from the textbook and lectures. If you can answer each of the SOBs, you will have no problem with the test.**

B. Textbook: *The Evolution of USAF Air and Space Power* (although this text will not be available until mid September, draft textbooks can be downloaded from www.yourwritingguru.com, a website owned by High Stakes Writing. To enter this site, cadets/students should click on the tab at the left that says "AFROTC Cadets." The user name/logon is <cadet> and the password is <arnold>. When you obtain entry, you can click the link to the book for their course.

C. Schedule: The full term schedule can be found in attachment 1.

5. CLASSROOM PROCEDURES: Classroom procedures are listed in attachment 2.

6. CLASS LEADER: A class leader for the upcoming week will be appointed at the end of class. The class leader's duties are listed in attachment 2.

7. ATTENDANCE. Attendance and punctuality in class are mandatory and expected. I will begin class promptly on the hour. If you are late to class, enter quietly, take the first available seat and be prepared to stay after class to explain why you are late. **Students must attend a minimum of 80% of their aerospace studies classes to pass the course. This includes excused and unexcused absences.** If you miss more than 20% of the scheduled classes, you will receive an "F" for the course grade.

A. An excused absence may be requested by submitting a typed, military letter to me one week prior to an anticipated absence or one week after an illness. Regardless, a letter explaining the absence is due no later than the class period following your absence.

B. Two unexcused absences will result in formal counseling with me. **Four unexcused absences will result in failing the course and disenrollment from AFROTC.**

C. It is the student's responsibility to inform the instructor of any intended absences for religious observances in advance.

D. If the university is closed due to inclement weather or any other emergency, classes will not meet. The instructor will work with students to make up the information.

8. SPECIAL NEEDS. Any student with special needs should bring this to my attention as soon as possible, but not later than the second week of class.

9. ACADEMIC INTEGRITY: The University of Maryland, College Park has a nationally recognized Code of Academic Integrity, administered by the Student Honor Council. This Code sets standards for academic integrity at Maryland for all undergraduate and graduate students. As a student you are responsible for upholding these standards for this course. It is very important for you to be aware of the consequences of cheating, fabrication, facilitation, and plagiarism. For more information on the Code of Academic Integrity or the Student Honor Council, please visit <http://www.shc.umd.edu>. To further exhibit your commitment to academic integrity, remember to sign the Honor Pledge on all examinations and assignments: "*I pledge on my honor that I have not given or received any unauthorized assistance on this examination (assignment).*"

10. GRADES. Each assignment of the below assignments is graded on a 100 point scale.

A. CLASS PARTICIPATION: All cadets/students are expected to complete all reading assignments prior to class and be able to comfortably discuss the lesson.

B. GRADED Talking Paper based on Attachment 3. Talking Papers will be graded for grammar, brevity, and task accomplishment. The deadline for this assignment is **4 Nov** for Section 0101 and **6 Nov** for Section 0102/0103. Late papers are scored ZERO.

C. EXAMS: There will be a midterm and a final exam. The tests will consist of multiple choice questions. Questions will come from the SOBs, text and classroom instruction. You are responsible for all the material in your textbook whether it is cover in class or not. Make-up exams are allowed only under exceptional circumstances and at my discretion.

D. GRADES: Each assignment will be graded on a 100 point scale.

| Area | Maximum Points |
|---------------------|----------------|
| Class Participation | 10 |
| Graded Memo | 20 |
| Mid-term | 35 |
| Final | 35 |
| Total | 100 |

Your course grade will be determined from the total points earned as follows:

| Percentage | Grade | Points |
|-------------|-------|---------|
| 90% – 100% | A | 270-300 |
| 80% – 89.9% | B | 240-269 |
| 70% – 79.9% | C | 210-239 |
| 60% – 69.9% | D | 180-209 |
| Below 60% | F | 0-179 |

Note: A grade of "C" or better is required for cadets to continue in AFROTC.

11. COUNSELING. All cadets must attend a term counseling with me by 25 Sept. I will bring a sign-up sheet to class. Punctuality is essential to military operations and your counseling session is no exception. If you cannot make your scheduled counseling session notify me prior to the appointment.

12. COMMUNICATION. Please provide me with a valid e-mail address so I can contact you in case of emergency or changes to course schedules. A valid e-mail address is one you check at least once a day. If there are any changes to your contact information during the semester, please let me know.

13. FORM 48: All cadets must turn in a Form 48 by the mid-term exam. You will not receive a mid-term without a complete Form 48.

14. ACADEMIC FREEDOM: Air University Instruction 36-2308 establishes AU's policy on academic freedom. It applies to all Air University schools and colleges, including AFROTC detachments. The free exchange of opinions and ideas is essential to the educational process and, to the greatest extent possible, faculty, students, and staff are

encouraged to speak and write freely. Even in this academic setting, however, the importance of the University's military mission requires limits on some types of expression. The following restrictions apply IAW Articles 88 and 89 of the UCMJ. Commissioned officers, officer trainees, and cadets may not use contemptuous words toward the President, Vice President, Congress, the Secretary of Defense, Secretary of the Air Force and others. In addition military members may not make disrespectful remarks about superior commissioned officers. Faculty, students and staff members should make every effort to indicate clearly that the opinions they express are personal to the member, and do not represent the official views of their organization, AU, USAF, the US government, or any other government or academic community.

15. EVALUATIONS: All students will complete an AFROTC end of course survey at the end of the semester so that we can continue to improve our courses. UMCP students are also encouraged to use the new campus-wide online course evaluation system, CourseEvalUM. That system will be open for UMCP students to complete their evaluations for Fall 2008 courses between Tuesday, December 2, and Sunday, December 14. Students can go directly to the website (www.courseevalum.umd.edu) to complete their evaluations, beginning December 2.

16. I may modify this syllabus at any time during the semester. When updates occur, I will notify the class.

ROBERT E. PECORARO, Col, USAF
Commander

3 Attachments:

1. Semester Schedule
2. Classroom Procedures/Class Leader Duties
3. Briefing/Bullet Background Paper Instructions

Attachment 1
ARSC 200, Section 0103 (Tuesdays)
 FALL 2008 SCHEDULE

| Lesson | Class Dates | Subject |
|---------------|--------------------------|---|
| 1 | 2 Sep | Welcome and Course Overview |
| 2 | 9, 16, 23 Sept | Airpower through WWI (Read Chapters 1-3) |
| 3 | 30 Sep, 7, 14, 21 Oct | The End of WWI Through WWII (Read Chapters 4-7) |
| | 28 Oct | MIDTERM EXAM (Lessons 1 - 3) |
| | 4 Nov | Graded Talking Paper Due |
| 5 | 4, 11, 18 Nov | Airpower Through the Cold War Part I (Read Chapters 8-13) |
| 4 | 25 Nov, 4 Dec | Communication Studies Application |
| | 9 Dec | FINAL EXAM (Comprehensive with a greater weighting on Lessons 4 – 5) |

Attachment 1
ARSC 200, Section 0101 and 0102 (Thursdays)
FALL 2008 SCHEDULE

| Lesson | Class Dates | Subject |
|---------------|--------------------|---|
| 1 | 4 Sep | Welcome and Course Overview |
| 2 | 11, 18, 25 Sep | Airpower through WWI (Read Chapters 1-3) |
| 3 | 2, 9, 16, 23 Oct | The End of WWI Through WWII (Read Chapters 4-7) |
| | 30 Oct | MIDTERM EXAM (Lessons 1- 3) |
| | 6 Nov | Graded Talking Paper Due |
| 5 | 6, 13, 20 Nov | Airpower Through the Cold War Part I (Read Chapters 8-13) |
| | 27 Nov | Thanksgiving Holiday |
| 4 | 4 Dec | Communication Studies Application |
| | 11 Dec | FINAL EXAM (Comprehensive with a greater weighting on Lessons 4 - 5) |

Attachment 2

CLASSROOM PROCEDURES

- Call the room to attention when the instructor or another commissioned officer enters the room. Do not call the room to attention if class is in session or the instructor is in the room.
- Abide by all cadet dress and grooming standards
- Call the room to attention when a military member of higher grade to anyone in the room enters or leaves the classroom. DO NOT do this while class is in session.
- Do not smoke, eat noisily or show lack of attention. You may not sleep in the classroom. All cell phones, pagers and electronic recording devices will be turned off during class time.

CLASS LEADER DUTIES

- Before the instructor enters the classroom
 - Retrieve the class roster and book room key from instructor
 - Set up and turn one of the A/V carts in the classroom (be sure to safeguard equipment)
 - Take and record attendance on the roster
 - Name the class leader for the following week
- As the instructor enters the classroom
 - Call the room to attention
- At the end of class
 - Call the room to attention for dismissal and request permission for the class to be dismissed
 - Ensure the classroom is orderly and no papers, books, covers, etc. are left behind

Attachment 3

AS 200

COMMUNICATION SKILLS ASSIGNMENT FALL 2008

TASKS:

Briefing

1. Present a 3-5 minute briefing about what the Air Force will look like in 2025. Some topics to consider but not all inclusive are:
 - Stealth Bases
 - Increased Bombing Accuracy
 - Continued use of unmanned aerial vehicles (need of pilots?)
 - Separate Space Air Force
 - Need for space weapons (to control the high ground)
 - Bases on the moon
 - Precision Airdrop (laser guided supplies)
 - Accurate, long range cruise missiles
 - GPS and communication capability for every military member (hand held)
 - Information Warfare greatly improved
 - Infrared Radar
 - Laser weapons (standard)
 - Weather monitoring sensors (ground and space-real time)
 - High Power Microwave (HPM) or kinetic energy missile killing systems
 - Directed Energy Weapons, Electro-Magnetic Pulse
 - Vertical takeoff and landing for aircraft (all aircraft)
 - Human-Machine interaction
 - Bionics in Air Force Hardware
2. Use a minimum of one visual aid (poster, slide, prop, etc).
3. Use a minimum of two main points.

FORMAT:

1. A military briefing is made up of three parts: introduction, body and conclusion. It's structured this way to allow for better retention of the information.
 - a. Introduction -- Made up of two parts: Attention and Overview. Attention steps get your audience focused on what you're going to present. The overview gives them a preview of what you'll be discussing.
 - b. Body -- Substance of the briefing. The main points of the briefing are discussed and explained in the body.
 - c. Conclusion -- Made up of two parts: Summary and Closure. The summary highlights the most important ideas from each main point and the closure wraps-up the briefing and leaves no doubt that you're done.

Talking Paper

2. Write a 1 page Talking Paper in accordance with (IAW) the Tongue & Quill,
3. **AFH 33-337, dated, 1 August 2004, page 209-210.** A Talking Paper is a quick outline on key points, facts, positions, questions to use during oral presentations and the talking paper topic will be on your briefing topic.