

## **INR4990: Cyber, Drones & National Security Policy**

Fall 2020 (Section 82812)  
MW 11:00-12:15, 82/228  
Office Phone: 850-474-3008

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Office and Office Hours: Bldg 50/Rm 126, MW 3:00-4:00; TR 3:00-4:30 or by appointment

### **Course Objectives**

“Modern science ... has thrust into man’s fallible hands unprecedented power: power in building, power in destroying.” –Hugh Ferriss

This course evaluates how emerging technologies affect national security strategy. Political leaders constantly make tough decisions about deploying new military capabilities, and in recent years, that has meant lethal drones and cybersecurity. For some, a modern “revolution in military affairs” is driving a new era. For others, politics and strategy—and the human beings making them—never really change. Does technological change drive politics and policy? How do new technologies shape national security plans? We first evaluate the history and theories of how technology and national security interact with one another. The latter sections of the course focus on lethal drones and the cyber environment. During two simulations, students will evaluate real policy challenges and work out possible solutions. The course pushes students to combine analytical and conceptual rigor with pragmatic and specific applications. Students will be evaluated based upon performance on two exams, several memos, analysis/reflection papers and two simulations.

### **Student Learning Outcomes**

- Students will discuss readings in a seminar-style format.
- Students will synthesize course materials in written exam essays and analysis papers.
- Students will evaluate real policy challenges, apply course concepts and create possible solutions.
- Students will interact with groups to organize solutions to assigned problems.

### **Topics**

- The historical interaction of technology and grand strategy or national security strategy.
- The legal and empirical theories surrounding modern policy on these issues.
- Current debates and case studies related to lethal drones and cybersecurity strategy.

### **Course Materials**

- A number of articles and documents made available online through eLearning.
- Scott Jasper (2017) *Strategic Cyber Deterrence: The Active Cyber Defense Option* New York: Rowman and Littlefield. ISBN 978-1538104897
- Brian Glyn Williams (2013) *Predators: The CIA’s Drone War on al Qaeda* Potomac Books. 978-1612346175

### Course Requirements

Discussions	20%	Memos	40%
Quizzes	20%	Final	20%

#### ***Discussions***

Many weeks include an online discussion forum. Check Canvas each week for these. The guidelines and requirements may vary, but details will appear on the forum assignment. They open on Monday of the week they cover, and they are DUE by 11:59 PM the following Sunday.

#### ***Quizzes***

Many weeks include a short quiz (typically 5 – 15 questions). They are based upon the lecture and reading for the week. They open on Monday of the week they cover, and they are DUE by 11:59 PM the following Sunday.

#### ***Exam***

There will be one exam at the end of the course. It will be a take home assignment due during finals week at the time and date stated in the course schedule. You will receive a set of short answer questions. Upload your answers as a Word document to the designated assignment on Canvas.

#### ***Memos***

Students will write five policy memos, each 2-3 pages. Each will address a specific issue from the perspective of a government agency. Instructions appear on the weeks they are due (see Course Schedule).

### **Letter Grades**

94% or better	A	87% to 89%	B+	77% to 79%	C+	67% to 69%	D+
90% to 93%	A-	83% to 86%	B	73% to 76%	C	60% to 66%	D
		80% to 82%	B-	70% to 72%	C-	59% or less	F

GRADING In general, on written work, I consider how well you followed directions and focused tightly on your given topic; your mastery (i.e. correct understanding and general use) of the readings and other course material; your argument's clarity, consistency and accuracy; overall structure and logic; overall clarity and grammar. See the document "Shively Paper Grading Rubric" for detailed break-down.

### **Academic Conduct**

PLAGIARISM and ACADEMIC DISHONESTY involve adding others' words to your text as if they were your own and will not be tolerated. For University policies on plagiarism and other misconduct, see the Student Code of Conduct: <http://uwf.edu/osrr/documents/BOTApprovedStudentCodeofConduct-2010edition.pdf>.

### **Assistance for Students with Special Needs**

If there are aspects of the instruction or design of this course that hinder your full participation, such as time-limited exams, inaccessible web content, or the use of non-captioned videos and podcasts, reasonable accommodations can be arranged. Prior to receiving accommodations, you must register

with the Student Disability Resource Center (SDRC) at <http://uwf.edu/sdrc/internal/>, which requires documented needs of the individual. For information, e-mail [sdrc@uwf.edu](mailto:sdrc@uwf.edu) or call 850.474.2387.

### **Your Major**

If you are interested in but not yet a major in **Political Science, Pre-Law, or International Studies** contact **The Department of Government at 474-2929**. If you are undecided about your major contact your academic advisor or the Career Center at 850-474-2254.

### **Career Development & Community Engagement**

Career Development & Community Engagement (CDCE) is a free, on-campus resource designed to equip UWF students and alumni with the tools necessary for professional success. CDCE is located in Building 19 and offers resume reviews, assistance with your job or internship search, interviewing tips, and many other strategies to become career ready. For more information, check out Handshake ([uwf.joinhandshake.com](http://uwf.joinhandshake.com)), visit [uwf.edu/career](http://uwf.edu/career) or call 850-474-2254.

### **Military & Veterans Services**

The UWF Military & Veterans Resource Center (MVRC) serves as a leading campus advocate for military and veterans students, working to ensure the needs of these individuals are met through coordinating with multiple university offices and services. The center provides assistance with the following: GI Bill<sup>®</sup> education benefits, active duty tuition assistance, out of state fee waiver, tutoring, paper reading, counseling, disability accommodations, coordinating academic advising and referral to state /federal resources and services. The MVRC is located in bldg. 38. For more information on MVRC services, call 474-2550 or visit <http://uwf.edu/militaryveterans>.

### **Cybersecurity Resources**

UWF is a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE). The following resources are available to UWF students and faculty to support academic and research projects:

1. Cybersecurity Resources: <http://uwf.edu/centers/center-for-cybersecurity/resources/>
2. Library Resources - Cybersecurity: <http://libguides.uwf.edu/cybersecurity>
3. Library Resources - Computer Science: <http://libguides.uwf.edu/computer>

### **Professional Skills**

All your courses help develop different professional skills. Listing these on your resume and having them ready for interviews is always useful and helps you understanding your own professional development.

Here are some examples for this course:

- Policy analysis
- Tech policy
- Written communications
- Digital work platforms
- Workplace professionalism
- National security research

### Course Schedule

\*Readings not in assigned texts will appear in eLearning > Course Materials>Content

\*Some dates and assignments may be changed. I will announce these by email and in class.

<b>Week 1</b>	<b><u>Technology, Strategy and Change</u></b>
Aug 24	<u>Introduction</u>
Aug 26	- Arthur Herman, "The Pentagon's 'Smart' Revolution"
<b>Week 2</b>	<u>Theories</u>
Aug 31	- Van Evera, "Offense, Defense and the Security Dilemma"
Sep 2	- <i>Recommended:</i> Jasper ch 5, 6
<b>Week 3</b>	<u>US National Security</u>
Sep 7	NO CLASS – LABOR DAY
Sep 9	- Brimley, et al. "Game Changers: Disruptive Technology and U.S. Defense Strategy"
<b>Week 4</b>	
Sep 14	HURRICANE SALLY
Sep 16	
<b>Week 5</b>	HURRICANE SALLY
Sep 21	<u>Nuclear Weapons ONLINE:</u> Quiz & Discussion DUE Wed, Sep. 30
Sep 23	- Geller, "Nuclear Weapons and War" - <i>Recommended:</i> Jasper ch 4
<b>Week 6</b>	<u>Space</u>
Sep 28	- Seedhouse, "US and Chinese Space Policy"
Sep 30	- Knipfer, "International Cooperation and Cooperation in Space" - Nuclear Weapons Quiz & Discussion DUE Wed, Sep. 30
<b>Week 7</b>	<u>Space</u>
Oct 5	
Oct 7	MEMO 1 DUE FRIDAY
<b>Week 8</b>	<b><u>Drones</u></b>
Oct 12	<u>Background &amp; Policies</u>
Oct 14	- Williams, ch 3-4
<b>Week 9</b>	<u>Background &amp; Policies</u>
Oct 19	- Williams, ch 5-6
Oct 21	MEMO 2 DUE FRIDAY
<b>Week 10</b>	<u>Law &amp; Ethics</u>
Oct 26	Williams, ch 7-8
Oct 28	
<b>Week 11</b>	<u>Analysis Tools</u>
Nov 2	- Williams, ch 9-11
Nov 4	MEMO 3 DUE FRIDAY
<b>Week 12</b>	<b><u>Cybersecurity</u></b>
Nov 9	<u>Strategy &amp; Policies</u>
Nov 11	- Jasper ch 1 NO CLASS – VETERANS DAY

<b>Week 13</b>	
Nov 16	- Jasper ch 2
Nov 18	MEMO 4 DUE BY FRIDAY
<b>Week 14</b>	
Nov 23	<u>Policy &amp; Law</u>
	- Jasper ch 3, ch 7
Nov 25	
<b>Week 15</b>	
Nov 30	MEMO 5 DUE
Dec 2	
<b>Week 16</b>	
Dec 9	FINAL EXAM due by Midnight – submit to dropbox

