HONORS SEMINAR V: AESTHETICS, VALUES & AUTHORITY

Cybersecurity

SYLLABUS & COURSE SCHEDULE*

IDH 3034 – U37
Fall 2017

Wednesdays: 5:00 – 7:40 PM, CP-103 (MMC)

PROFESSOR
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COURSE DETAILS

Description
This course is designed to introduce students to cybersecurity through policy and art. Over the course of two semesters, students will examine the current cybersecurity environment, understand the principles of cybersecurity, develop strategic planning capabilities, identify cybersecurity laws and regulatory requirements, and anticipate the future of cybersecurity threats, all in the context of US national security. Students will understand the interconnectedness between policy and technology, and how the public sector works with the private sector to combat cybersecurity threats. Students will be assigned both fictional and non-fictional texts as a means to understand the cybersecurity themes discussed above. Students will also view films that present on critical aspects of cybersecurity including hacking, insider threats, and cyber-terrorists, amongst others. Together, students will place themselves in the role of policymaker and develop a strategy to counter current and emerging cybersecurity threats.

Objectives
Upon completion of this course, you should be able to:
- Examine the current cybersecurity environment;
- Understand the principles of cybersecurity;
- Identify cybersecurity laws and regulatory requirements;
- Anticipate the future of cybersecurity threats;
- Analyze what cybersecurity is and what it is not; and
- Distinguish between cybersecurity in practice and cybersecurity in media.

Format
This is a face-to-face course, where class preparation and participation are essential. You are responsible for all assigned readings, regardless of whether we spend time in class discussing. In a typical class, a student will be asked to start us off by answering a specific question or discussing a specific issue. After a few minutes of initial analysis, we will open the discussion up to the rest of the class. As a group, we will then try to complete the analysis and address the issues presented. With follow-up questions, you will be able to defend and refine your reasoning, as well as hone your verbal skills.

Because of the interactive nature of this course and the above-average amount of reading, you will find it difficult to participate in meaningful class discussions if you fail to read and analyze the materials carefully prior to class.

On occasion, I will post additional readings, resources and exercises in Blackboard, or distribute handouts in class or via e-mail. Blackboard will be used as a central repository for data and for submitting assignments. You will also be able to monitor your grades via the gradebook.

Requisites
Pre-Requisites: You must be enrolled in the Honors College; eligible to take upper division Honors coursework.

Co-Requisites: None.

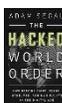## Materials

Textbook: *Dark Territory: The Secret History of Cyber War* by Fred Kaplan (2017)
ISBN 13: 978-1476763262

Textbook: *Cybersecurity and Cyberwar* by P.W. Singer and Allan Freidman (2014)
ISBN 13: 978-0199918119

Textbook: *The Hacked World Order* by Adam Segal (2016)
ISBN 13: 978-1610394154

GLOBAL LEARNING

This upper division class is designated as a Global Learning (GL) course.

Global Awareness: Students will be able to demonstrate knowledge of the interrelatedness of local, global, international and intercultural issues, trends and systems.
- *Course Learning Outcome:* Students will demonstrate knowledge of the interrelated global dynamics (e.g., social-cultural, political, economic) that shape aesthetics, values, and authority in diverse cultural contexts.

Global Perspectives: Students will be able to develop a multi-perspective analysis of local, global, international and intercultural problems.
- *Course Learning Outcome:* Students will be able to analyze the multiple global forces that shape their understanding of aesthetics, values, and authority (e.g., economic, political, sociological, technological, cultural).

Global Engagement: Students will be able to demonstrate a willingness to engage in local, global, international and intercultural problem solving.
- *Course Learning Outcome:* Students will be able to develop solutions to local, global, international, and/or intercultural problems related to aesthetics, values and authority.

Graduation Honors
FIU's *Excellence in Global Learning Graduation Medallion* is awarded to students who complete at least (4) global learning courses, participate in a variety of global co-curricular activities and complete a capstone consisting of one of the following: a substantial original research project and presentation on a global topic; extensive foreign language study; long-term study abroad; or, a globally focused internship. The *Peace Corps Prep Certification* is conferred upon students who complete at least (4) global learning courses, extensive language study and a global problem-solving project.

COURSE POLICIES

COMMUNICATION
Communication is key! Please keep me apprised of any issues or anticipated problems regarding attendance, assignments and the like. Do not wait until the last minute to speak to me. I will use your FIU e-mail to communicate with you regularly and expect that you will frequently monitor this account.

ETIQUETTE
You are required to behave in a courteous manner and maintain a professional demeanor at all times (both in person and virtually). Side conversations in class are disruptive and show a lack of respect for your fellow classmates and

for me. Please keep mobile phones on silent or vibrate mode and keep in mind that use of electronic devices (*e.g.,* phones, laptops, tablets) may be prohibited at my discretion.

ACADEMIC MISCONDUCT
In the Honors College, the term "honor" refers both to academic accomplishment and character. Students in the Honors College are held to the highest standards of personal accountability. Dishonesty in any form is antithetical to the very definition of being an Honors student at FIU. **Any Honors College student found guilty of academic or other misconduct violating** the University Student Code of Conduct or Code of Academic Integrity **will be dismissed from the Honors College**. All Honors students are expected to know what constitutes misconduct and to abide by both University and College policies on conduct and integrity.

RELIGIOUS OBSERVANCES
Every effort will be made, where feasible and practical, to accommodate students whose religious practices coincide with class requirements or scheduling. Please make sure to notify me *at the beginning of the semester* of which dates you will be absent or any anticipated problems with completing course work.

ACCESSIBILITY & ACCOMMODATION
If you have a physical, mental or sensory challenge, please contact our Disability Resource Center (DRC) as early in the course as possible. Upon contact, the DRC will review your request and communicate with me, your other instructors and essential university personnel to make necessary arrangements for you.

<p align="center">ASSIGNMENTS & GRADING</p>

Guidelines

Movie Reviews: Students are required to submit a movie review (3-5 pages) outlining the key findings and lessons from the film shown during the class period. Utilizing assigned books and articles, you will analyze the film to determine the realities, exaggerations, and fallacies presented. Finally, you will critique the film discussing what you would change if you were leading this film. This should not just be a summary of the movie, but rather a critical analysis of the film. Each review will be 100 points for a total of 400 points. **These assignments are worth 40% of your grade.**

Country Reports: Students will be put into groups and assigned one of the following countries/actors (US, Russia, China, UK, Israel, North Korea, Iran, non-state actors) to examine. Groups will submit a country paper (10 pages minimum) outlining key capabilities, controversies, legal structures, and recent cybersecurity activities/events in the domestic and international arenas. Groups will submit an outline by September 20, 2017 to include selected country/actor, members of the group, and roles and responsibilities of each member toward the paper. Students will be graded on two fronts: individual contribution (15%) and group paper (15%). **This assignment is worth 30% of your grade.**

Country Presentation: Groups will present their findings to the class on November 30, 2017. **This assignment is worth 10% of your grade.**

All assignments must be uploaded to the Assignment Dropbox in Blackboard (unless otherwise indicated), by their respective due dates, in MS Word format. *Assignment details and instructions will be provided in due course.*

If you do not already have Microsoft Office 365, download it for free HERE.

Late assignments will be accepted but will incur a **5-point penalty** for each day late (or portion thereof), unless prior arrangements have been made. There will be no make-ups for missing the group presentation.

Carefully proofread *all* papers before submission. For writing assistance, I encourage you to visit The Center for Excellence in Writing, a full-service writing center providing assistance and feedback to FIU students. I also recommend using Purdue OWL, which houses very helpful writing resources.

Participation
Attendance and active participation are required and will be reflected in your final grade. You are expected to be prepared, on time and to remain for the entire class period. Material *may* be covered in class that is *not* covered in the readings, thus excessive absences *may* negatively affect your ability to do well in this course. Participation grades are determined by attendance, active participation in class discussions, and randomized quizzes on the readings. **Participation is 20% of your grade.**

Assignment Scale

REQUIREMENTS	POINTS	WEIGHT	DUE DATE
Four (4) Movie Reviews	400	40%	*War Games* – September 17, 2017 *Sneakers* – October 15, 2017 *Zero Days* – November 12, 2017 *Blackhat* – December 3, 2017
Country Report	300	30%	December 3, 2017 (BlackBoard)
Country Presentations	100	10%	November 30, 2017 (in class)
Participation	200	20%	Semester
TOTAL	**1000**	**100%**	

Final Grade Scale

LETTER	POINTS	RANGE	LETTER	POINTS	RANGE
A	4.00	951-1000	C+	2.33	767-799
A-	3.67	900-950	C	2.00	700-766
B+	3.33	866-899	D	1.00	601-699
B	3.00	832-865	F	0.00	< 600
B-	2.67	800-831			

HONORS COLLEGE REQUIREMENTS

Registration in this course implies an acceptance of and compliance with Honors College requirements.

Academic Standing
In order to graduate through the Honors College at FIU, students must earn a minimum number of credits from the point of entry to the Honors College; have at least a "B" average in all Honors courses and a 3.3 Cumulative GPA.

Citizenship
Beginning Fall 2014, Honors College students are required to accumulate at least **20 Citizenship Points** each academic year (Fall and Spring) by attending Honors College activities. Students attending only one semester (Fall or Spring) are required to accumulate **10 Citizenship Points.**

Portfolios
The Honors College will be using a portfolio method to assess student learning outcomes. The portfolio allows for maximum flexibility in gauging student learning. Students decide (with instructor consultation) what "artifacts" or assignments to include for consideration in their portfolios to demonstrate successful achievement of each of the five key student learning outcomes over the 4-year Honors experience.

CLASS SCHEDULE – FALL 2017

Week	Assignments (complete BEFORE class)	Due	Class Session
1 8/23	• Review Syllabus • Review BlackBoard Shell		• Syllabus and Course Overview
2 8/30	• Read Willis Ware – Security and Privacy in Computer Systems • Read Kaplan – Chapter 1 • Read Singer and Friedman – Introduction •		• Discuss Willis Ware article • Watch *War Games*
3 9/6	• Read Kaplan – Chapter 2-5 • Read Singer and Friedman – Part 1		• Select Country Groups • Discuss Kaplan – Evolution of Cybersecurity • Discuss Singer and Friedman – Cybersecurity and Cyberwar
4 9/13	• Read Kaplan – Chapter 6-10	• **Movie Review #1**	• Discuss Kaplan – Evolution of Cybersecurity •
5 9/20	• Read Kaplan – Chapter 11-14 • Read Segal – Chapter 1	• **Submit Country Proposal**	• Watch *The Secret History of Hacking* • Discuss Kaplan – Evolution of Cybersecurity
6 9/27	• Read Singer and Friedman – Part 2		• Watch *Sneakers*
7 10/4	• Read Singer and Friedman – Part 3		• Discuss Singer and Friedman – Cybersecurity and Cyberwar
8 10/11		• **Movie Review #2**	• Discuss Singer and Friedman – Cybersecurity and Cyberwar
9 10/18	• Read Segal – Chapter 2-3		• Guest Speaker
10 10/25	• Read Segal – Chapter 4-5		• Watch *ZeroDays*
11 11/1	• Read Segal – Chapter 6-7		• Discuss Segal – Hacked World Order
12 11/8	• Read Segal – Chapter 8	• **Movie Review #3**	• Discuss Segal – Hacked World Order
13 11/15	• Read Kaplan – Chapter 15 • Read Singer and Friedman – Conclusions • Read Segal – Chapter 9		• Discuss Kaplan – Evolution of Cybersecurity • Discuss Singer and Friedman – Cybersecurity and Cyberwar • Discuss Segal – Hacked World Order • Watch *Blackhat*
14 11/23			• No Class
15 11/30		• **Movie Review #4** • **Country Report**	• Country Presentations

*Syllabus is subject to change