

PSC 366
International Politics and Cyber Security
MSSU, Fall 2020
TR 11:00 AM - 12:15 PM

1 Class Information

- ⇒ **Professor:** Nicholas P. Nicoletti, Ph.D.
- ⇒ **Office:** 212 Webster Hall, Center for Law and Politics
- ⇒ **Phone:** (417) 625-9572¹
- ⇒ **Email:** nicoletti-n@mssu.edu
- ⇒ **Class Time:** Tuesday and Thursday 11:00 AM — 12: 15 PM
- ⇒ **Room:** 206 Webster Hall
- ⇒ **Office Hours:** Monday from 11:00 AM - 2:00 PM AND Wednesday from 11:00 AM - 2:00 PM (Office Door is Always Open, Please Stop By)

2 Course Description

Credit Hours: 3 CR

Prerequisites: PSC 366 (Demand) International Politics and Cyber Security

Course Type: Face-to-Face

This course focuses on cyberspace, cyber threats, and cyber conflict, specifically regarding the implications for the public and private sectors, national governments, non-governmental actors, international politics, and society/culture. Topics include the history of cyberspace, the creation and evolution of cyberspace, changes to the global system structure, new modes of conflict and cooperation, and strategies for international security in a digital world. Students will examine how current international relations theory accommodates cyberspace as a new venue of politics, and how cyber-politics alters traditional international politics, demanding new theoretical frameworks and empirical study. Students will also be exposed to cyber threats and tactics used to infiltrate computer systems at all levels of society. They will also learn about cyber-deterrence strategies.

3 Learning Objectives

1. Students will demonstrate the ability to analyze new challenges in cyberspace and how they relate to theoretical frameworks in international relations.
2. Students will demonstrate the ability to think strategically about cyber challenges and develop responses within classroom exercises and simulations.

¹If you leave a voice-mail, please leave your name, what class you are in, a description of the problem/question, and slowly leave a number where I may reach you. The best way to reach me is by email.

3. Students will demonstrate the ability to communicate (orally and through written assignments) to analyze cybersecurity issues.
4. Students will analyze selected topics and issues in Cyber Security from a historical and contemporary perspective.
5. Students will demonstrate the ability to describe the interrelationship between social, political, and governmental institutions in resolving cybersecurity issues.
6. Students will develop skills in utilizing peer-reviewed journal articles to gain a better understanding of cybersecurity and cybersecurity threat amelioration.

4 Required Course Materials

- ◇ All readings are a mixture of scholarly articles and book chapters that will be posted on Blackboard or in the Library course reserve. A “+” indicates that the reading is posted on Blackboard. A “√” indicates that the reading is in the physical Course Reserve in the MSSU Libraries.
- ◇ I reserve the right to add readings at any time during the semester.
- ◇ The References section of this syllabus provides a list of readings for this class in the American Political Science Association (APSA) citation style.

5 Course Expectations

I expect that *ALL* students will come to class each week, having read the material assigned for that day. **Readings are due on the day they are listed in the syllabus, AND you are required to bring the readings with you to class that day.** Some of the texts are theoretically and analytically rigorous. Simply put, much of what is read in this course is challenging and will require students to do more than skim through the pages. Students are expected to go beyond the memorization of core concepts and vocabulary words; you will be expected to apply them throughout the class, especially on examinations.

Taking attendance is required by university policy. Attendance will be taken regularly at the start of class. However, attendance is not enough to earn credit. I expect that students participate in class. Participation is worth 15% of your final grade, and *simple attendance is not good enough*. You are required to *answer* and/or *ask* questions during this class. If you are someone that does not like to talk during class, you may want to reconsider your enrollment. **If you do not participate, you will not be able to earn a major portion of your grade.** Part of your participation grade will be calculated using the *PlayPosit* Internet software. See the section on *PlayPosit* for more information on this class tool.

Late arrivals are annoying and disturb the class. However, **I would rather a student arrive late than not come to class at all.** Late students will be taking a chance. This class will include pop quizzes that I call *D.I.R.T.* quizzes, which stands for “Did I Read Today”. *D.I.R.T.* quizzes are given at the very beginning of class via the *PlayPosit* system. If you

are too late to take the quiz, you automatically lose the quiz points for that day, with no exceptions. I never allow makeup quizzes for any reason. Thus, there are consequences for being late. Please give the class and me the courtesy of refraining from perpetual late arrivals.

Unexcused absences on exam day will result in a forfeiture of all points for that exam. Makeups can be scheduled only for students who pre-excuse their absences (that means before the exam, **not after**). Absence is only excused if supported by documentation from either University personnel or your physician. **There are absolutely no makeups for pop quizzes; if you miss class on a day that I give a quiz, you will lose the quiz points for that day — NO EXCEPTIONS.**

I expect that the following classroom norms will be followed in my class. Please refrain from listening to mp3 players/all music devices, texting, instant messaging, Facebooking, Tweeting, or typing assignments for other courses during this class. Cell Phones should only be used for the PlayPosit software. Laptop computers are a privilege and may be used for note-taking or reading digital copies of the textbook; this privilege may be revoked at my discretion at any time. Disruptive behavior will not be tolerated. Students are expected to be respectful of their peers and various points of view. Discussion is encouraged, but rude responses will not be tolerated. Finally, please refrain from holding private conversations with your peers during class; this behavior is distracting to other students and the overall classroom environment. If I become aware that you are violating any of these norms, you will be asked to leave the classroom.

Multiple students often have the same question regarding course material or administrative issues. All relevant information about the course should be contained in this syllabus. Thus, students should always consult the syllabus first when they have a general/administrative question. In the event that the answer to your question is not in the syllabus, I have set up a Discussion Forum, under the “Discussion Board” tab in Blackboard, where students can anonymously post a question about administrative issues or course material. Utilizing this mechanism allows all students to gain access to the answers to frequently asked questions. Hence, always check the discussion forum for the answer to your question (after you have consulted the syllabus). If the answer to your question is not in the discussion forum, create a new post and I will answer your question. Of course, students are free to email me or stop by my office hours with any questions; I understand that some questions/issues must be resolved outside of the discussion forum.

All students in my classes are expected to check their school email regularly (I suggest once per day). I communicate solely via email sent to your **school email address** and announcements via Blackboard. Students are expected to use their school email address when sending messages to the professor. I will NOT make special accommodations for students that want to use personal email addresses. All email communications will be sent and received via your school email address.

No form of video/audio recording or photography will be permitted in my class with-

out permission. I reserve the right to request copies of any recordings in any form taken in my class.

I expect a lot from the students in my class, so you ought to expect something from me. You can expect me to come to class prepared, enthusiastic, and open to questions at any time. You can expect me to always be available during my office hours and to answer emails within a 24-hour window. *If you are struggling with the material, do not hesitate to see me!* I take my teaching responsibility seriously, and I strive to be the best possible educator I can be. I will often ask for your feedback during the course, and I take your input seriously.

6 Evaluation and Grading Policy

Students can earn a total of 100 (non-extra credit) points per semester. Up to 15 points can be earned from successfully answering weekly D.I.R.T. quizzes correctly. Up to 40 points can be earned from the Midterm and Final examinations. Up to 15 points can be earned from participating in class throughout the semester and participating in *PlayPosit* participation questions. Finally, up to 30 points can be earned by completing the Simulation Assignments, worth 15 points each. This means that each point in the class is literally worth one percent of your final grade. In other words, the denominator for your grade will change throughout the semester as points are accumulated. For example, by mid-semester students will have the possibility to earn approximately 50 points in the class. Let's say that you earned 41 total points by mid-semester. To figure out your grade simply divide 41 by 50 ($\frac{41}{50} = 82$). This would mean that you earned a B halfway through the semester. By the end of the semester - when all assignments are turned in - there will be 100 total points that could possibly be earned in the course. Thus, if you earned 75 points out 100 possible points, your grade would be a 75, which is a C. Extra credit points also count directly toward your final grade just like regular points do. However, these points are not included in the final grade denominator. For example, let's say that by the end of the semester, a possible 5 extra credit points could have been earned. Technically, this means that there was a possible 105 points that students could have earned. However, no matter how many of those extra credit points you earned, the grade is still out of 100, not 105.

- * D.I.R.T. Quizzes on the Readings Due that Day, worth 15% of the Final Grade.
- * Simulation 1 Assignment, worth 15% of the Final Grade.
- * Simulation 2 Assignment, worth 15% of the Final Grade.
- * Midterm and Final Examinations, each worth 20% of the Final Grade, for a Total of 40% of the Final Grade.
- * Participation, worth 15% of the Final Grade.

7 Grading Distribution

✓ A = 90-100

- ✓ B = 80-89
- ✓ C = 70-79
- ✓ D = 60-69
- ✓ F = 0-59

8 Time on Task Statement

For every one credit hour in which you are enrolled, you will spend approximately two to three hours outside of class studying. Therefore, to help determine the course load most appropriate for you, use the formula: 3 credit hours (1 course) = 3 hours in class per week = 6-9 hours study time per week.

9 Library Materials

There are a vast array of resources on this topic that can be found using the MSSU Spiva Library search tools including, SUMMONS, JSTOR, individual journal subscriptions, Interlibrary Loan (ILL), and many more. Please visit the MSSU Library website to search through relevant materials.

10 Face Mask/Covering Policy

Effective July 13, 2020, all students, faculty, staff, contractors, vendors, and visitors are expected to wear masks/face coverings while on the MSSU campus, including in classrooms. Exceptions and the full policy are available: <https://emergency.mssu.edu/wp-content/uploads/2020/07/MSSU-Mask-Face-Covering-policy.pdf>.

11 Instructional Format

The teaching format for MSSU classes is subject to change at the University's discretion. Students should be prepared to handle alternative or online formats, if they should become necessary.

11.1 Inclement Weather and Course Cancellation Policy

If inclement weather occurs during Finals Week resulting in a closing, the printed and online versions of the Schedule of Classes contain information about a contingency plan for finals. If the professor cancels class for any reason during the semester, an alternative online assignment (PlayPosit or Blackboard) will be posted.²

²***Note:** Professor Nicoletti is the Coach of the Mock Trial Team. There may be times where classes need to be canceled due to competitions. Please be aware, if the schedule changes an announcement will be placed on Blackboard and sent to student email.

11.1.1 Proper Email Etiquette

This is the format I expect all emails to be sent in:

To: nicoletti-n@mssu.edu

From: Your Email Address Here

Subject: Always Include a Subject Line with Your Class Title and Time of Day

Dear Professor Nicoletti,

Your message should be written here using complete sentences.

Thank you (Or Other Valediction),

Jane/John Doe Student

12 Academic Integrity Statement

Cheating and plagiarism (using someone else's work or ideas without proper citation) will not be tolerated. Cheating and/or plagiarism is a serious offense and can have severe consequences. Cell phones, PDAs, tablets, laptops, digital cameras, or electronic devices of any kind (calculators can be utilized if necessary) are banned from all quizzes, except for the use of the Tot Hat software. Students using electronic devices during quizzes for anything other than PlayPosit will fail the assignment. If you are taking a quiz and are found using an electronic device inappropriately, I will be forced to fail your assignment, and you will receive a zero. Of course, there are other ways to cheat, and all of them will result in the same consequence, complete failure of the assignment. I also reserve the right to fail students for the entire course for some instances of academic integrity violations. The MSSU's policy on Academic Integrity and the plagiarism judicial process is as follows:

Missouri Southern State University is committed to academic integrity and expects all members of the university community to accept shared responsibility for maintaining academic integrity. Academic work is evaluated on the assumption that the work presented is the student's own, unless designated otherwise. Submitting work that is not one's own is unacceptable and is considered a serious violation of University policy. Cheating is a serious offense that invalidates the purpose of a university education. Any student who takes credit for the work of another person, offers or accepts assistance beyond that allowed by an instructor, or uses unauthorized sources for a test or assignment is cheating. Students must be conscious of their responsibilities as scholars, to learn to discern what is included in plagiarism as well as in other breaches of the Student Handbook, and must know and practice the specifications for citations in scholarly work. When dealing with cases of academic dishonesty, the course instructor may choose to use the campus judicial system; this includes filing an incident report with the Dean of Students, who may act on the

report by issuing a written warning or by recommending disciplinary probation, suspension or expulsion. Penalties for academic dishonesty may include a failing grade on the assignment, a failing grade in the course, or any other course-related sanction the instructor determines to be appropriate.

13 Similarity Detection Software and Honor Lock

To prevent and detect plagiarism, I may require students to use similarity detection software (e.g. SafeAssign) in this course. Textual similarity software compares submitted student text to a database of millions of previously published documents, including those on the public Internet, a proprietary collection of published articles, as well as every student paper previously submitted to the detection software (including my class assignments from previous semesters). When similarities between student text and an existing document are found, the software identifies those similarities for the instructor and/or student to review. Similarity alone is not evidence of academic misconduct, as such material may be correctly cited. This software may be used as an educational tool to assist students in learning how to properly cite resources, to decrease instances of academic misconduct, and/or to assist in the identification of acts of academic misconduct.

14 Disability Accommodation Statement (ADA)

If you are an individual with a disability and require an accommodation for this class, please notify the instructor or the Coordinator of Student Disability Services, at the Student Success Center (417) 659-3725. I will make every effort to assist students with special needs. Students dealing with stress-related or other medical issues should visit the Willcoxon Health Center, Billingsly Room 242.

15 Non-Discrimination Statement

Missouri Southern State University emphasizes the dignity and equality common to all persons and adheres to a strict non-discrimination policy regarding the treatment of individual faculty, staff, students, third parties on campus, and applicants for employment and admissions. In accord with federal law and applicable Missouri statutes, the University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, pregnancy, ancestry, age, disability, genetic information, veteran status, or any other legally protected class, in employment or in any program or activity offered or sponsored by the University, including, but not limited to, athletics, instruction, grading, the awarding of student financial aid, recruitment, admissions, and housing. Questions, concerns, and reports about Title IX, including sexual misconduct or pregnancy educational planning, should be directed to the Title IX Coordinator in the Student Affairs Office at (417) 625-9532.

I will seek to keep information private to the greatest extent possible. However, as an instructor, I have a mandatory reporting responsibility. I am required to share information regarding sexual misconduct or information about a crime that may have occurred related to Title IX. Students may speak to someone confidentially by contacting a counselor in the Advising, Counseling, and Testing Services Office (ACTS) at (417) 625-9324. Crime reports to law enforcement can be made at (417) 623-3131.

16 Basic Needs Statement

Students experiencing personal or academic distress, food insecurity, and/or difficulty navigating campus resources are encouraged to contact the Office of Student Affairs (417.625.9392 or studentaffairs@mssu.edu) for support. If you are uncomfortable making this contact, please notify your instructor so they can assist you in locating the needed resources.

17 Academic Impact for University-Sponsored Academic and Athletic Absences

Students participating in University sponsored academic and athletic events are considered representatives of the University and scheduled activities/competitions resulting in a missed class may be considered excused absences. Missed classes qualify as excused absences if the student informs the instructor(s) in advance, is responsible for all information, tests, materials and assignments, and completes assigned work prior to the departure, unless the instructor has agreed to other arrangements.

Faculty are encouraged to work with students, whenever possible, to facilitate their participation in University sponsored academic and athletic events; however, in some cases, it is not possible to replicate missed course content. In these cases, students may need to attend class.

Whenever possible, students participating in University sponsored academic and athletic events should work with their advisor to create a schedule that will avoid missed class time.

Students should not be penalized if absent from a test, lecture, lab or other activity because of an excused absence. Policies should be fair and equitable in application. For example, excused absences should not be penalized with point reductions or require students utilize the dropped grade option for a University sponsored activity or athletic event. Inclement weather and other factors may preclude a student's ability to provide notification in advance and/or to complete assigned work prior to departure or return to campus. It may be necessary to provide makeup opportunities in these cases.

No class time shall be missed for practices or home events except for time required to prepare or warm-up before the activity/competition. Logistics necessary for home activities or competitions will vary by activity/sport so students and instructors should

collaborate to handle this missed class time as part of the absence if possible. For away competitions students shall not miss class prior to 30 minutes before the scheduled time of departure.

Students who will miss class due to participation will identify themselves to their instructors at the beginning of each semester using the approved documentation and provide a schedule with departure times to identify class meetings in conflict with event dates. In addition, the student is responsible for reminding the instructor by email and/or in person of each upcoming absence. The student who fails to properly communicate with her/his instructor in this regard may be penalized for an absence per the course syllabi. The amount of lead time for upcoming absences should be discussed by the instructor and student as this may vary with the situation. Sponsors and coaches are asked to confirm an accurate roster of students traveling for each event.

Students who are unable to participate or have not been cleared to play should attend class.

18 Copyright Statement

You are encouraged to use the materials from these courses to learn. You can listen, read, view and interact with the pages. You can print them out for your own use. You may not, however, let others not registered in the courses hear audio, view or read pages, either on the screen or printed out. You may not make copies of these copyrighted and all rights reserved materials electronically or optically without express permission from the copyright holder. You may not incorporate these copyrighted materials or derivatives into other works. The copyright includes the course artwork. Some portions of the courses use material from other copyrighted material. These materials are noted and are used with permission of the author, or under compliance with federal guidelines. You are encouraged to use materials you create as part of the course, however, you may not use materials created by others taking the course without their written permission. This includes but is not limited to written assignments submitted to the instructor, postings to discussion groups or any online comments or other collaborative events. MSSU will not use any of your work for purposes other than your learning without getting your written permission. If we use your materials with your permission, we will credit your work if you so desire.

19 Participation

Attendance is an important part of the college learning experience. I expect students to come to class prepared (having done the readings and assignments) and ready to participate in the form of answering and asking questions. Participation is worth 10% of your grade. This will be a combination of your personal in-class participation and your participation in *PlayPosit* exercises given during class.

20 PlayPosit

PlayPosit Software is a digital platform that allows your professor to: (1) Take attendance each class, (2) Give pop quizzes, and (3) Intermittently ask questions throughout the lecture. These questions will count toward your participation grade, which is worth 10% of your final grade. Each class you will need to have your mobile device (phone, laptop, tablet, etc.) ready so that you can answer the questions pertinent to the lecture. I expect that students will not abuse the privilege of using their mobile devices during class. The software is intended to make lectures more interactive and fun, not to give students an excuse to text. The software is integrated with Blackboard and is free to students.

21 Course Schedule

22 Part One: Cyberspace, International Politics, and Power

22.1 Week 1: August 17 — 23, 2020

22.1.1 ⇒ Tuesday, August 18: Course Introduction in the age of COVID-19

- ★ Course Introduction and Administrative Review.
- ★ Acquire Access to Blackboard and PlayPosit.

22.1.2 ⇒ Thursday, August 20: What is Cyberspace?

- ★ Van Puyvelde and Brantly (2019, Introduction, pp. 1-5; Chapter 1: The Expanding Scope of Cybersecurity, pp. 6-23; and Chapter 2: What is Cyberspace?, pp. 23-40)†∇
- ★ Kremling and Parker (2018, Chapters 1, pp. 1-15 and 2, pp. 17-31)†.

22.2 Week 2: August 24 — 30, 2020

22.2.1 ⇒ Tuesday, August 25: Introducing International Relations Theory

- ★ Williams and McDonald (2019, Chapter 1: Realisms, pp. 17-32)†.
- ★ Williams and McDonald (2019, Chapter 37: Cybersecurity, pp. 556-568)†.
- α August 24 - Drop/Add & Late Registration Charges Begin.

22.2.2 ⇒ Thursday, August 27: International Relations Theory Continued

- ★ Williams and McDonald (2019, Chapter 2: Liberalisms, pp. 33-47 and Chapter 3: Constructivisms, pp. 48-59)†.
- α August 30 - Last Day for Full Refund of Charges.

22.3 Week 3: August 31 — September 6, 2020

22.3.1 ⇒ Tuesday, September 1: The Security Dilemma

★ Buchanan (2016, Introduction. pp. 1-13 and Chapter 1: The Security Dilemma, pp. 15-29)†∇.

α August 30 - Last Day for Full Refund of Charges.

22.3.2 ⇒ Thursday, September 3: Perception and Behavior of Actors

★ Buchanan (2016, Chapter 2: The Intruder's View, pp. 31-49 and Chapter 3: The Defender's View, pp. 51-73)†∇.

22.4 Week 4: September 7 — 13, 2020

⇒ Tuesday, September 8: The Nation State and Cyberspace

★ Buchanan (2016, Chapter 4: How Network Intrusions Threaten, pp. 75-100)†∇.

★ Brenner (2009, Introduction and Chapter 2: Order and Discord - Crime, War, and Terrorism , pp. 13-23)†.

α September 9 - Withdrawal after this Date No Refund of Charges.

⇒ Thursday, September 10: Challenge to the State?

★ Brenner (2009, Chapter 3: Cyberthreats - New Issues, New Challenges, pp. 25-70)†.

23 Part Two: Political Interactions in Cyberspace - The Players and Tools

23.1 Week 5: September 14 — 20, 2020

23.1.1 ⇒ Tuesday, September 15: Diplomacy In Cyberspace

★ Riordan (2019, Introduction, pp. 1-16 and Chapter 2: The Diplomat in Cyberspace, pp. 17-31)†∇.

23.1.2 ⇒ Thursday, September 17: Constitution Day

★ Constitution Day!

23.2 Week 6: September 21 — 27, 2020

23.2.1 ⇒ Tuesday, September 22: IR Norms and IR Dependencies on Cyber

★ Mazanec (2016, Constraining Norms for Cyber Warfare Are Unlikely, pp. 100-109)†.

- * Vaishnav, Choucri and Clark (2013, Cyber international relations as an integrated system, pp. 561-576)†.

23.2.2 ⇒ Thursday, September 24: Cyberwar

- * Singer and Friedman (2014, Why it Matters, pp. 144-165)†.

23.3 Week 7: September 28 — October 4, 2020

23.3.1 ⇒ Tuesday, September 29: Cyber Governance and Democracy

- * Van Puyvelde and Brantly (2019, Chapter 3: Governing Cyberspace, pp. 41-56 and Chapter 9: Cybersecurity and Democracy, pp. 139-151)†∇.
- * Rosenberger (2020, Making Cyberspace Safe for Democracy, pp. 1-12)†.

23.3.2 ⇒ Thursday, October 1: Technology and Collective Action

- * Bennett and Segerberg (2012, The Logic of Connective Action: Digital Media and the Personalization of Contentious Politics, pp. 739-768)†.

23.4 Week 8: October 5 — 11, 2020

23.4.1 ⇒ Tuesday, October 6: Simulation Day 1

- * Simulation 1, Day 1.
- ✓ **Simulation 1 Memo due at start of class. Must be uploaded to Blackboard Drop Box.**

23.4.2 ⇒ Thursday, October 8: Simulation Day 2

- * Simulation 1, Day 2.

23.5 Week 9: October 12 — 18, 2020

23.5.1 ⇒ Tuesday, October 13: No Class, Fall Break

- * No Class, Fall Break!

23.5.2 ⇒ Thursday, October 15: Capabilities, Threats, and Tools

- * Van Puyvelde and Brantly (2019, Chapter 4: Cyber Capabilities and insecurity, pp. 57-75)†∇.
- ✓ **Midterm Exam due at start of class. Must be uploaded to Blackboard Drop Box.**

23.6 Week 10: October 19 — 25, 2020

23.6.1 ⇒ Tuesday, October 20: Are Cyberwars Viable?

- ★ Van Puyvelde and Brantly (2019, Chapter 6: Cyber War, pp. 91-104)†∇.
- ★ Valeriano and Maness (2015, Chapter 1: The Contours of the Cyber Conflict World, pp. 1-19)†.
- ★ Newton (2015, The Flawed Strategic Discourse on Cyber Power, pp. 26-37)†.

23.6.2 ⇒ Thursday, October 22: Cyber Incidents and their Strategy Correlates

- ★ Valeriano, Jensen and Maness (2018, Chapter 3: The Correlates of Cyber Strategy, pp. 53-88)†.

23.7 Week 11: October 26 — November 1, 2020

23.7.1 ⇒ Tuesday, October 27: Cyber Crime and Terrorism

- ★ Van Puyvelde and Brantly (2019, Chapter 7: Non-State Threats: From Cybercrime to Terrorism, pp. 105-122)†∇.
- ★ Tehrani, Manap and Taji (2013, Cyber terrorism challenges: The need for a global response to a multi-jurisdictional crime, pp. 207-215)†.

23.7.2 ⇒ Thursday, October 29: The Cyber-Terrorism Threat

- ★ Kenney (2015, Cyber-Terrorism in a Post-Stuxnet World, pp. 111-128)†.

24 Part Three: Mitigation, Deterrence, and Policy Actions

24.1 Week 12: November 2 — 8, 2020

24.1.1 ⇒ Tuesday, November 3: Deterrence in Cyberspace

- ★ Van Puyvelde and Brantly (2019, Chapter 8: Organizing Deterrence and Defense in Cyberspace, pp. 124-138)†∇.
- ★ Reveron (2012, Chapter 7: A New Framework for Cyber Deterrence, pp. 105-120)†.

24.1.2 ⇒ Thursday, November 5: Deterrence Continued...

- ★ Nye Jr. (2017, Deterrence and Dissuasion in Cyberspace, pp. 44-71)†
- ★ Sulmeyer (2018, How the U.S. Can Play Cyber-Offense: Deterrence Isn't Enough, pp. 1-6)†.

24.2 Week 13 November 9 — 15, 2020

24.2.1 ⇒ Tuesday, November 10: Military Cyber Strategy

- ★ McGhee (2016, *Liberating Cyber Offense*, pp. 46-63)†.
- ★ Hennessey (2018, *Deterring Cyberattacks: How to Reduce Vulnerability*, pp. 1-10)†.
- ★ Sulmeyer (2017, *Campaign Planning with Cyber Operations*, pp. 131-137)†.

24.2.2 ⇒ Thursday, November 12: Military Strategy Continued...

- ★ Goines (2017, *Overcoming the Cyber Weapons Paradox*, pp. 86-111)†.
- ★ Sherwood-Randall (2020, *The Age of Strategic Instability: How Novel Technologies Disrupt the Nuclear Balance*, pp. 1-5)†.

24.3 Week 14: November 16 — 22, 2020

24.3.1 ⇒ Tuesday, November 17: Strategy - Diplomacy and Power

- ★ Riordan (2019, Chapter 4: *Mitigating Cyberconflict*, pp. 55-77)†∇.
- ★ Reveron (2012, Chapter 8: *Cybered Conflict, Cyber Power, and Security Resilience as Strategy*, pp. 105-120)†.

24.3.2 ⇒ Thursday, November 19: Mitigation and Cyber Hegemony

- ★ Meer (2018, *State-level responses to massive cyber-attacks: a policy toolbox*, pp. 1-9)†.
- ★ Valeriano, Jensen and Maness (2018, Chapter 7: *The United States: The Cyber Reconnaissance-Strike Complex*, pp. 171-201)†.

24.4 Week 15: November 23 — 29, 2020

24.4.1 ⇒ Tuesday, November 24: The Current Threat/Policy Landscape

- ★ Knake (2018, *The Next Cyber Battleground: Defending the U.S. Power Grid from Russian Hackers*, pp. 1-5)†.
- ★ Soldatov (2016, *Cyber Showdown: How Russian Hacking Works*, pp. 1-4)†.
- ★ Parker (2017, *Hack Job: How America Invented Cyberwar*, pp. 1-11)†.
- ★ Knake (2018, *Obama's Cyberdoctrine: Digital Security in the Private Sector*, pp. 1-5)†.
- ★ Trump (2018, *President Trump Unveils Americas First Cybersecurity Strategy in 15 Years (You may also read the entire text of the strategy, which is linked on Blackboard, along with this press release.)*)†.

24.4.2 ⇒ Thursday, November 26: Thanksgiving Break, No Class

- ★ Thanksgiving Break, No Class.

24.5 Week 16: November 30— December 6, 2020

24.5.1 ⇒ Tuesday, December 1: Simulation 2, Day 1

★ Simulation 2, Day 1.

α November 30 is the Last Day for Single Class Withdrawal with a “W” and Complete Withdrawal with all “W’s.”

24.5.2 ⇒ Thursday, December 3: Simulation 2, Day 2

★ Simulation 2, Day 2.

✓ **Simulation 2 Memo due at start of class. Must be uploaded to Blackboard Drop Box.**

24.6 Week 17: December 7 — 13, 2020

24.6.1 ⇒ Final Exam Week

★ **Official Test Time:** Monday, December 7 from 1:00 - 3:00 PM. The Final Exam will be taken on Blackboard and due on **Monday, December 7, by 3:00 PM.**

References

- Bennett, Lance W. and Alexandra Segerberg. 2012. “The Logic of Connective Action: Digital Media and the Personalization of Contentious Politics.” *Information, Communication, and Society* 15(5):739–768.
- Brenner, Susan W. 2009. *Cyberthreats: The Emerging Fault Lines of the Nation State*. New York, NY: Routledge.
- Buchanan, Ben. 2016. *The Cybersecurity Dilemma: Hacking, Trust, and Fear Between Nations*. New York, NY: Oxford University Press.
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