The Politics of Cyber Security
University of Georgia
Department of International Affairs
Fall 2023

Instructor
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Office hour: Either on Zoom or in person, 3-5 PM, Thursdays by appointment.
(Plz use Calendly: https://calendly.com/jay_lee_uga/jay-lee-office-hours)

Course Information
Course: INTL 4666
Time: MWF 10:20 - 11:10 am (50 min)
Location: Sanford Hall 314

1. Course description and objectives
Through this course, we're going to study different topics of cybersecurity from the perspective of international relations. As an international relations professional, it is critical to build a comprehensive and systematic framework to understand emerging phenomena. This course covers from a history of the internet to various forms of cooperation and conflicts among various actors in cyberspace. Based on these understandings, we will discuss definitions of cybersecurity and future policy implications. As the field is full of dynamics, students are encouraged to do group work, especially presentations about the topics of their interest.

2. Books

Recommended

Most readings for this course are either accessible through the University of Georgia library system or will be provided by the instructor.
3. **Evaluation**

**Pop-up quiz (10%)**: These quizzes will be held randomly (not every class) at the end of a class instead of an attendance check. The quiz will be very easy if you pay enough attention to the class of the day, composed of 1 - 5 problems. The scores themselves wouldn't be reflected in the grading except for attendance. So, for example, if there were five pop-up quizzes during the semester and you took four of them, then regardless of the scores, you will get 8 points, i.e. 80% of the attendance score.

**Group presentation (20%)**: Group work. As a group, you're going to present twice during this semester up-to-date news or articles, to the class on the topics of your interest. The project comprises a no more than two-page memo (single-spaced, font size 12) and a presentation. A team must email me their memo 24 hours prior to their presentation. The memo should include: 1) why you choose the news or articles, 2) how they are related to cybersecurity in international relations and their weaknesses & strengths, and 3) what possible policy implication. The presentation should be within 20 minutes including Q&A.

**Write-ups (40%)**: Individual work. During this semester, you will produce four short (750-1000 words) write-ups in response to provided questions requiring you to demonstrate the knowledge that you learned from class coupled with your own thoughts and interpretations.

**Final Short Essay (30%)**: Individual work. Among the discussed topics, pick one and write a 3–4 page essay. (single-spaced, font size 12) In the essay, you would write about: 1) your research question and relevant existing literature review, 2) summarizations of three to four articles that you want to focus on, 3) your analysis of their strengths and weaknesses, and 4) your opinions on their policy or theoretical implications.

4. **Grading Scale**

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<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>94 to 100</td>
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<tr>
<td>A-</td>
<td>90 to 93.9</td>
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<td>B+</td>
<td>87 to 89.9</td>
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<td>B</td>
<td>84 to 86.9</td>
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<td>C-</td>
<td>70 to 73.9</td>
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<td>D</td>
<td>60 to 69.9</td>
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<td>F</td>
<td>59 and below</td>
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5. Administrative Policy

5.1. Academic Honesty

The course syllabus is a rough outline for the course; instructors need to inform changes to the class. The University of Georgia's "Culture of Honesty" (http://www.uga.edu/honesty/ahpd/culture_honesty.htm) has requirements that must be met by all academic work. It is your responsibility to familiarize yourself with these requirements before beginning any academic work. Our academic dishonesty policy is straightforward: Avoid plagiarism. You will receive a failing grade in the course if you turn in a written assignment that is (in part) not your own. Disciplinary actions that could result in your dismiss from the university could be taken.

5.2 Prohibition on Recording Lectures

In the absence of written authorization from the UGA Disability Resource Center, students may not make a visual or audio recording of any aspect of this course.

5.3 Students with Disabilities

If you plan to request accommodations for a disability, please register with the Disability Resource Center (DRC). The DRC can be reached by visiting Clark Howell Hall, by calling 706-542-8719 (voice) or 706-542-8778 (TTY), or by visiting http://drc.uga.edu

5.4 Resources for Mental Health and Wellness

Contact Student Care and Outreach in the Division of Student Affairs at 706-542-7774 or go to https://sco.uga.edu if you or someone you know needs help. By putting you in touch with the proper resources or services, they will assist you in navigating any challenging situations you might be dealing with. For students looking for crisis help or mental health services, UGA has a number of resources available at https://www.uhs.uga.edu/bewelluga/bewelluga. Please visit BeWellUGA (https://www.uhs.uga.edu/bewelluga/bewelluga) for a list of FREE programs, classes, mentoring, and health coaching given by certified clinicians and health educators in the University Health Center if you need assistance managing stress, anxiety, relationships, etc. The UGA App gives users access to more resources.

5.5 Diversity and Inclusion

The University of Georgia is dedicated to upholding a just and courteous atmosphere for employment, residence, and education. To that end, the University forbids harassment of or discrimination against any person on campus due to race, color, sex (including sexual harassment and pregnancy), sexual orientation, gender identity, ethnicity or national origin, religion, age, genetic information, disability, or veteran status by any member of the University Community in accordance with federal and state law, University System of Georgia policy, and University policy.

6. Course Schedule

This schedule is a suggestion for the class and is open to modification at my discretion. The
underlined dates are assigned for group presentations. Watch or read assigned materials before class.

**Week01 (Aug 16,18): Introduction**

Aug 16
- Course introduction (survey: why are you taking this course? what do you want to achieve?)

Aug 18
- Group work (Form ten groups based on topics of interest, 4 people/group), and possibly a short introduction to the Internet.

**Week02 (Aug 21,23,25): What is computer & the Internet 01**

Aug 21
- Youtube Lecture, by David Clark (The Future of the Internet with David Clark 2021): [https://www.youtube.com/watch?v=2-l841ngKHs](https://www.youtube.com/watch?v=2-l841ngKHs)
- WAN vs. LAN: Comparing Wide Area Network to Local Area Network: [https://www.ipxo.com/blog/wan-vs-lan/](https://www.ipxo.com/blog/wan-vs-lan/)

Aug 23

Aug 25

*Recommended*


**Week03 (Aug 28,30, Sep 1): What is computer & the Internet 02**
Aug 28


Aug 30


Sep 1

- Group work

Recommended

The Internet Hall of Fame: https://www.internethalloffame.org/about/

IEEE (Institute of Electrical and Electronics Engineers) Computing Conversations: https://www.youtube.com/playlist?list=PL4660FB7F523B1770

Week04 (Sep 6,8,11): The Definitions of Cybersecurity

# Write-up 01: Due Sep 10, 11:59 p.m.

Sep 6


Sep 8


Sep 11

- Group work

Recommended


**Week05 (Sep 13,15,18): Existing IR Theories**

**Sep 13**

**Sep 15**

**Sep 18**
- Group work

*Recommended*


**Week06 (Sep 20,22,25): Overview of International Political Economy (IPE)**

**Sep 20**

**Sep 22**

**Sep 25**
- Group work

*Recommended*

Week07 (Sep 27, 29, Oct 2): New IR Theories?

# Write-up 02: Due Oct 1, 11:59 p.m.

Sep 27

- Reardon, Robert, and Nazli Choucri. "The role of cyberspace in international relations: A view of the literature." (2012). (downloadable at https://dspace.mit.edu/bitstream/handle/1721.1/141724/Reardon%2C%20Choucri%20%282012%29%20The%20role%20of%20cyberspace%20in%20international%20relations.pdf?sequence=1&isAllowed=y)

Sep 29


Oct 2

- Group work

Recommended


Week08 (Oct 4, 6, 16): Protocols and Net Neutrality

Oct 4


Oct 6


- Oct 9-13: Midterm week

Oct 16

- Group work
Recommended


**Week09 (Oct 9-13): Midterm week**

**Week10 (Oct 18,20,23,25): Cybercrime, Terrorism, and Cyberwarfare**

Oct 18

- Goodman, Marc. Chapters 14 and 15 in *Future crimes: Everything is connected, everyone is vulnerable and what we can do about it*. Anchor, 2015.

Oct 20


Oct 23


Oct 25

- Group work
- Instructions on the final paper

Recommended


Week11 (Nov 3,6,8): Cyber Global Governance

# Write-up 03: Due Nov 7, 11:59 p.m.

Nov 3

Nov 6

Nov 8
- Group work

Recommended


Week12 (Nov 10,13,15): Regional Cooperation

Nov 10

Nov 13

Nov 15
- Group work

Recommended


Romaniuk, S. N., & Manjikian, M. (Eds.). Routledge companion to global cyber-security


Week13 (Nov 17,20,27): Trade and Cybersecurity

# Write-up 04: Due Nov 26, 11:59 p.m.

Nov 17


Nov 20


Nov 27

- Group work

Recommended


Week14 (Nov 29, Dec 1,4): Privacy and Data

Nov 29


Dec 1


Dec 4
• Group work

*Recommended*


**Week 15 (Dec 8): Final week**

# Final Short Paper: Due Dec 7, 11:59 p.m.