UNIVERSITY OF CENTRAL FLORIDA

INR 4764 - CYBERWARFARE POLICY

Section: B060

College of Sciences

School of Politics, Security, and Intl Affairs

Course Information

Term: Summer 2026
Class Meeting Days: ASC
Class Meeting Location: Online
Modality: WW
Credit Hours: 3.00

Instructor Information

Autumn Perkey
Title: Dr.
Office Location: HPH 302K
Office Hours:
TBD
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Course Description

INR 4764 COS-POLS 3(3,0)Cyberwarfare Policy: PR: POS 2041 or ENC 1102 or INR 2002 or C.I. How nations, groups and individuals throughout the world use internet/cyber-attacks for military, political, and economic gains over their adversaries. Occasional.

Student Learning Outcomes

After successful completion of this course, students will be able to:

- Explain and distinguish major forms of cyber conflict—including cyberwarfare, cyberterrorism, cybercrime, and cyber espionage—and how state and non-state actors use them to pursue political, military, and economic objectives.
- Analyze cyber actors and operations by evaluating strategic motivations, capabilities, and security implications for individuals, industries, and states.
- Evaluate domestic and international cyber policies with respect to deterrence, escalation dynamics, and protection of critical infrastructure.
- Apply legal, ethical, and strategic frameworks to assess whether cyber-attacks constitute acts of war and to determine appropriate political or military responses.
- Develop and defend evidence-based cyber policy recommendations that balance national security concerns with civil liberties and privacy protections.

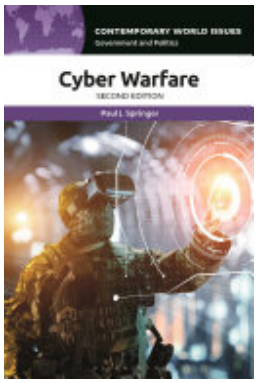
Required Course Materials and Resources

Cyberwarfare: Information Operations in a Connected World
ISBN: 978-1-284-05848-2
Authors: Mike Chapple and David Seidl
Publisher: Jones & Bartlett Learning
Edition: 2015
Notes: Older/First Edition, not 2023 Edition

Understanding Cyber Warfare
Subtitle: Politics, Policy and Strategy
Authors: Christopher Whyte and Brian Mazanec
Publisher: Routledge
Publication Date: 2019

Recommended Course Materials

Title: Cyberwarfare
ISBN: 9783030972998
Authors: Kristan Stoddart
Publisher: Springer Nature
Publication Date: 2022-11-18
Online Access: https://ucf-flvc.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma99383894746306596&context=L&vid=01FALSC_UCF:UCF&lang=en&search_scope=All_Available&adaptor=Local%20Search%20Engine&tab=AvailableNow&query=any,contains,Cyberwarfare&mode=basic



Title: Cyber Warfare
ISBN: 9798765109953
Authors: Paul J. Springer
Publisher: Bloomsbury Publishing USA
Publication Date: 2024-06-27
Online Access: https://ucf-flvc.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma99384298108406596&context=L&vid=01FALSC_UCF:UCF&lang=en&search_scope=All_Available&adaptor=Local%20Search%20Engine&tab=AvailableNow&query=any,contains,Cyberwarfare&mode=basic&offset=20

Course Assessment and Grading Procedure

The overall grade for this course will consist of five different assignment categories: quizzes, short activities, labs, a midterm, and a final exam. Full detailed descriptions for each assignment are on WebCourses. All assignments in this course are submitted electronically through Webcourses@UCF unless otherwise noted.

Assignment Category:	Percent of Final Grade:
Quizzes	15%
Activities	20%
Labs	20%
Midterm Exam	15%
Final Exam	15%

Quizzes

Module quizzes are designed to reinforce key concepts, terminology, and case examples from assigned readings and lectures. There is one untimed quiz per module, and students may complete each quiz twice, with the final score calculated as the average of the two attempts.

Short Activities

Short activities consist of brief, interactive learning exercises (such as Materia, ThingLink, or similar platforms) embedded within course modules. These activities are designed to promote engagement with course concepts, visualize cyber processes or policy trade-offs, and support applied learning in a low-stakes format.

Virtual Independent Labs

Virtual independent labs provide students with opportunities to explore cyberwarfare concepts through guided, self-paced exercises. Labs may involve simulated cyber incidents, policy analysis scenarios, or applied research tasks. These assignments emphasize critical thinking, problem-solving, and real-world application.

Midterm Exam

The midterm exam assesses students’ understanding of key concepts, actors, and policy debates covered in the first half of the course. The exam emphasizes analytical and applied thinking and may include multiple-choice, short-answer, or scenario-based questions.

Final Exam

The final exam is a cumulative assessment evaluating students’ ability to synthesize course concepts, assess cyber policy frameworks, and apply legal, ethical, and strategic perspectives to cyber conflict. The exam emphasizes higher-order reasoning and comprehensive understanding of course material and is administered through Webcourses@UCF.

Grading Scale

Letter Grade	Percentage
A	94-100%
A-	90-93%
B+	87-89%
B	84-86%
B-	80-83%
C+	77-79%
C	74-76%
C-	70-73%
D+	67-69%
D	64-66%
D-	61-63%
F	0-60%

Final letter grades are assigned based on the percentage of total assessment points earned, and grades are not curved (89.99 ≠ 90.00).

Communication Expectations

I will endeavor to answer all email correspondence within 48 hours on business days. However, this may not always be possible. Please do not expect responses after business hours, when the university is closed, or over the weekends. Please be conscientious about the times you send your emails, plan accordingly and begin assignments with appropriate lead-time.

Policies for Course Grade

Makeup Work Policy

Because this is an online (WW modality) course, students are expected to manage their time and submit assignments by the posted deadlines in Webcourses@UCF. Makeup work or deadline extensions may be granted in cases of documented illness, university-approved activities, religious observances, or other verified emergencies.

Requests for makeup work must be submitted through Webcourses@UCF as soon as possible and include appropriate documentation. Approval and the form of makeup work are at the discretion of the instructor.

Technical issues related to personal computers or internet access generally do not constitute grounds for makeup work. However, if Webcourses@UCF or a required university-supported platform experiences a documented failure, students must obtain a support ticket from UCF Online or Webcourses Support and notify the instructor promptly.

Missed/Late Assignments

Late work will be accepted without a university excuse up to seven (7) days after the due date. For each day an assignment is late, there will be a deduction of 5% of the total grade for each day off the final grade for the assignment.

Attendance

Attendance and engagement are assessed through in-class activities (retrieval quizzes, ad coding labs, discussion) and online tasks in Webcourses. Per UCF guidance, “appropriate engagement” is the analogue to attendance across modalities (e.g., participating live, completing embedded activities, contributing to discussions). Please review the module checklists to ensure you meet engagement requirements.

Adjustments to the Course Syllabi

Faculty members must sometimes make changes to course elements such as schedules or assignment details in response to student needs as well as external events (e.g., severe weather or public health emergencies). Except for extreme circumstances, UCF Policy 4-403.5 discourages substantial changes to a class syllabus after the first day of classes.

However, if situations arise related to schedules, external events, or to better meet student needs, any and all changes will be communicated clearly and in a timely manner via Webcourses announcements, and no student will be unfairly disadvantaged by a change.

Make-up Assignments for Authorized University Event or Co-curricular Activities

Students who represent the university an an authorized event or activity (for example, student athletes) and who are unable to meet a course deadline due to a conflict with that event must provide the instructor with documentation in advance to arrange a make-up. No penalty will be applied if the student gives advance notice and communicates with the instructor following UCF policy. In the case of an authorized university activity, it is your responsibility to show the instructor a signed copy of the Program Verification Form for which you will be absent, prior to the class in which the absence occurs or due date you need extended. For more information, see UCF Policy 4-401.

Make-up Assignments for Religious Observances

A student who desires to observe a religious holy day of his or her religious faith must notify their instructor as soon as practicable prior to the observance. Students who are absent because of religious observances will be permitted a reasonable amount of time to complete any missed work. For more information, see UCF Regulation 5-020.

Artificial Intelligence (AI) Use Policy

Use of Generative Artificial Intelligence (GenAI) is prohibited. Use of GenAI tools via website, app, or any other access, is not permitted in this class. All components of assignments in this course must be independently and originally completed by the student. Representing work created by GenAI as your own work will be treated as plagiarism.

Disability Access & Accommodations

The University of Central Florida is committed to providing equal access to all students with disabilities (ADHD, learning disabilities, Autism, chronic medical conditions, physical disabilities, etc.). To receive consideration for reasonable disability-related course accommodations, disabled students must contact Student Accessibility Services (SAS) and complete the steps required for SAS to review accommodation requests. More information can be found on the UCF Student Accessibility Services website under the Start Here tab or by contacting SAS directly (Ferrell Commons 185; sas@ucf.edu; Phone - 407-823-2371).

Approved accommodations are shared with course instructors via the SAS Course Accessibility Letter. Implementing certain accommodations may require discussion and specific considerations of the course design, course learning objectives, and the individual academic and course challenges experienced by the student. While students with disabilities or chronic health needs are also encouraged to discuss any course concerns with professors in addition to contacting SAS, professors are not required to facilitate disability-related adjustments to the course unless the professor has received a Course Accessibility Letter from SAS that outlines approved accommodations.

Academic Integrity

Students should familiarize themselves with UCF's Code of Conduct at Student Conduct and Integrity Office. According to Section 1, "Academic Misconduct," students are prohibited from engaging in:

a. Academic misconduct is defined as any submitted work or behavior that obstructs the instructor of record's ability to accurately assess the student's understanding or completion of the course materials or degree requirements (e.g., assignment, quiz, and/or exam). Examples of academic misconduct include but are not limited to: plagiarism, unauthorized assistance to complete an academic exercise; unauthorized communication with others during an examination, course assignment, or project; falsifying or misrepresenting academic work; providing misleading information to create a personal advantage to complete course/degree requirements; or multiple

submission(s) of academic work without permission of the instructor of record.

b. Any student who knowingly helps another violate academic behavior standards is also in violation of the standards.

c. Commercial Use of Academic Material. Selling of course material to another person and/or uploading course material to a third-party vendor without authorization or without the express written permission of the University and the instructor of record. Course materials include but are not limited to class notes, the instructor of record's slide deck, tests, quizzes, labs, instruction sheets, homework, study guides, and handouts.

d. Soliciting assistance with academic coursework and/or degree requirements. The solicitation of assistance with an assignment, lab, quiz, test, paper, etc., without authorization of the instructor of record or designee is prohibited. This includes but is not limited to asking for answers to a quiz, trading answers, or offering to pay another to complete an assignment. It is considered Academic Misconduct to solicit assistance with academic coursework and/or degree requirements, even if the solicitation did not yield actual assistance (for example, if there was no response to the solicitation).

Responses to Academic Dishonesty, Plagiarism, or Cheating

Students should also familiarize themselves with the procedures for academic misconduct in UCF's student handbook, *The Golden Rule*. UCF faculty members have a responsibility for students' education and the value of a UCF degree, and so seek to prevent unethical behavior and respond to academic misconduct when necessary. Penalties for violating rules, policies, and instructions within this course can range from a zero on the exercise to an "F" letter grade in the course. In addition, an Academic Misconduct report could be filed with the Office of Student Conduct and Academic Integrity, which could lead to disciplinary warning, disciplinary probation, or deferred suspension or separation from the University through suspension, dismissal, or expulsion with the addition of a "Z" designation on one's transcript.

Being found in violation of academic conduct standards could result in a student having to disclose such behavior on a graduate school application, being removed from a leadership position within a student organization, the recipient of

scholarships, participation in University activities such as study abroad, internships, etc.

Title IX

Title IX prohibits sex discrimination, including sexual misconduct, sexual violence, sexual harassment, and retaliation. If you or someone you know has been harassed or assaulted, you can find resources available to support the victim, including confidential resources and information concerning reporting options at Let's Be Clear and UCF Cares.

For more information on access and community engagement, Title IX, accessibility, or UCF's complaint processes contact:

- Title IX – ONAC – Office of Nondiscrimination & Accommodations Compliance & askanadvocate@ucf.edu
- Disability Accommodation – Student Accessibility Services – Student Accessibility Services & sas@ucf.edu
- Access and Community Engagement (including the Ginsberg Center for Inclusion and Community Engagement, Military and Veteran Student Success, and HSI Initiatives)
- UCF Compliance and Ethics Office – Compliance, Ethics, and Risk Office & complianceandethics@ucf.edu
- The Ombuds Office is a safe place to discuss concerns.

Reporting an Incident or Issue

If you believe you have experienced abusive or discriminatory behavior by any faculty or staff member, contact the Office of Institutional Equity online or at 407-823-1336. You can also choose to report using the UCF Integrity Line and can report anonymously or as yourself at 1-855-877-6049 or using the online form. UCF cares about you and takes every report seriously. For more information see the Reporting an Incident or Issue Webpage.

Deployed Active-Duty Military Students

Students who are deployed active duty military and/or National Guard personnel and require accommodation should contact their instructors as soon as possible

after the semester begins and/or after they receive notification of deployment to make related arrangements.

Campus Safety

At UCF Public Safety and Police, safety is the top priority. Emergencies on campus are rare, but if one should arise, it's important to be familiar with some basic safety and security concepts.

- In an emergency, always dial 911.
- Every UCF classroom has an **Emergency Procedure Guide** posted on a wall near the door, which will show you how to respond to a variety of situations. This guide can also be found online here.
- In the event of an active threat, remember **AVOID, DENY, DEFEND**. Choose the best course of action and act immediately. Watch the video here to learn more.
    - **AVOID**. Pay attention to your surroundings and have an exit plan. Get as much distance and as many barriers between you and the threat as quickly as possible.
    - **DENY.** When avoiding is difficult or impossible, deny the threat access to you and your space. Lockdown by creating barriers, turning the lights off and remaining quiet and out of sight. Make sure your cell phone is silenced, but do not turn it off.
    - **DEFEND.** When you are unable to put distance between yourself and the threat, be prepared to protect yourself. Commit to your actions, be aggressive and do not fight fairly. Do whatever it takes to survive.
- For emergencies on campus, UCF will utilize the UCF Alert system. All UCF students, faculty and staff are automatically enrolled to receive these email and text alerts, however, it's a good idea to frequently ensure your contact information is up to date.

Financial Aid Accountability

All instructors/faculty are required to document students' academic activity at the beginning of each course. In order to document that you began this course, please complete this activity by the end of the first week of classes or as soon as possible after adding the course. Failure to do so may result in a delay in the disbursement of your financial aid.

Class Schedule

Course Schedule

Module	Topic	Assigned Reading(s)
1	Information as a Military Asset	Chapter 1 Chapple and Seidl Chapter 1 and Chapter 2 Whyte and Mazanec
2	Targets and Combatants	Chapter 2 Chapple and Seidl Chapter 3 and Chapter 7 Whyte and Mazanec
3	Law and Ethics	Chapter 3 Chapple and Seidl Chapter 11 Whyte and Mazanec
4	Intelligence Operations and Information Warfare	Chapter 4 Chapple and Seidl Chapter 4 Whyte and Mazanec
5	Evolution of Cyberwarfare	Chapter 5 Chapple and Seidl Chapter 6 Whyte and Mazanec
6	Social Engineering and Cyberwarfare	Chapter 6 Chapple and Seidl
Midterm	Midterm	Midterm
7	Weaponization	Chapter 7 Chapple and Seidl Chapter 10 Whyte and Mazanec
8	Nonstate Actors in Cyberwarfare	Chapter 8 Chapple and Seidl Chapter 9 Whyte and Mazanec
9	Defensive\Offensive Cyber Tactics	Chapter 9, Chapter 10 Chapple and Seidl Chapter 5 Whyte and Mazanec
10	Defensive\Offensive Cyber Tactics	Chapter 11, Chapter 12, Chapter 13 Chapple and Seidl
11	Cyberwarfare and Military Doctrine	Chapter 14 Chapple and Seidl
12	Future of Cyberwarfare	Chapter 15 Chapple and Seidl Chapter 12 Whyte and Mazanec
Final	Final	Final