

# Global Cyber Threat Analysis – Spring 2023

## INSTRUCTOR

Frank Campione

## EMAIL

facampione@uncg.edu

## OFFICE HOURS

By Appointment

## MEETING HOURS

Tues 7 PM – 8:15 PM

## SEMESTER SESSION

1/9/23 to 5/4/23

## COURSE OVERVIEW

Cyber incident identification, analysis, and response are often limited by an organization's appreciation of the global threat landscape and a lack of validated cyber intelligence to substantiate an effective response. This course identifies a range of global cyber threats and presents proactive methodologies to assist in delivering mitigation strategies against the threats. The course focuses on the global nature of threats and reviews how and why criminals abuse systems. Topics include cyber terrorism, cyber espionage, cyber stalking, cyber identity management, cyber privacy, among others. The course also introduces evaluation mechanisms for critical infrastructure protection considering such global threats.

## REQUIRED TEXT

The Hacker and the State, *Ben Buchanan*

Additional reading materials provided in Canvas

## MEETING INFORMATION

Weekly meetings are **optional** for students. These meetings will be scheduled via Canvas using ZOOM. Transcripts of the meeting will be available to the class via Canvas. These meetings are mostly question and answer sessions such as clarification of assignments, exams, and course materials.

## EMAIL COMMUNICATIONS

I will respond to email inquiries within 24 hours unless I notify the class that I will be out of band for a designated period.

**Note:** Please utilize the **Course Content Related Questions** forums for course related questions, assignments, exams, and course materials.

## GENERAL INFORMATION

Graduate Level, 3 credit hours

Delivery - Online Asynchronous via UNCG Canvas

## COURSE CATALOGUE DESCRIPTION & REQUIREMENTS

The course introduces proactive methodologies for delivering mitigation strategies to protect against today's sophisticated threats. The course focuses on the global nature of threats and the formation of dark markets.

**Prerequisites:** None.

## COURSE DESCRIPTION

Cyber incident identification, analysis, and response are often limited by an organization's appreciation of the global threat landscape and a lack of validated cyber intelligence to substantiate an effective response. This course identifies a range of global cyber threats and presents proactive methodologies to assist in delivering mitigation strategies against the threats. The course focuses on the global nature of threats and reviews how and why criminals abuse systems. Topics include cyber terrorism, cyber espionage, cyber stalking, cyber identity management, cyber privacy, among others. The course also introduces evaluation mechanisms for critical infrastructure protection considering such global threats.

## COURSE-SPECIFIC STUDENT LEARNING OUTCOMES (SLOS)

1. Understand the range of global cyber threats faced by individuals, organizations and nation states.
2. Examine the nature and scope of cyber terrorist activities and device mitigation strategies.
3. Understand and define policies for negative consequences of social media use.
4. Evaluate the emergence of dark markets, money laundering, and technology use.
5. Develop an understanding of cyber laws and related global consequences.

## READING MATERIAL

The main text for this class is *Hacker and the State* by Ben Buchanan.

**ISM\_667\_01 | Global Cyber Threat Analysis**

9780674987555 *Hacker and the State* by Buchanan, Ben ▼ **HARDCOVER**

9780674246010 *Hacker And The State* by Buchanan ▼ **EBOOK**

<https://uncg.bncollege.com/course-material/course-finder>

If the book isn't available at the campus bookstore by the start of the semester it can be acquired from Amazon or multiple other online sources. Please acquire it as soon as possible. Time required to complete all reading assignments and other course related materials for a Graduate course is substantial. Please be prepared to set aside a substantial amount of time for this class.

## EVALUATION AND GRADING

[Grading Scale](#)

You will receive a score of 0 for any work not submitted. Late Assignments and Discussion Forum Posts are subject to a 10% penalty per day. Your final grade in the course will be a letter grade. Letter grade equivalents for achieved points (percentages) are estimated as follows:

- *Estimated Letter Equivalencies for the Final Course Grade out of 100%*

<b>94% or higher</b>	A	<b>77 – 79.9%</b>	C+
<b>90 – 93.9%</b>	A-	<b>73 – 76.9%</b>	C
<b>87 – 89.9%</b>	B+	<b>70 – 72.9%</b>	C-
<b>83 – 86.9%</b>	B	<b>&lt; 70%</b>	F
<b>80 – 82.9%</b>	B-		

- *The course grade will be based on the following distribution:*

<b>Course Items</b>	<b>Final Grade Percentage</b>
Discussion Forum Participation	20 %
Assignments	40 %
Midterm Exam	15 %
Term Research Paper	25 %
<b>Total</b>	<b>100 %</b>

*The following criteria will apply to the grading of assignments:*

A: Work that demonstrates not only a clear understanding of the material under study, but also a superior ability to utilize that material in the assignment. All criteria are met. The student's work goes beyond the task and contains additional, unexpected or outstanding features.

B: Work that demonstrates a good understanding of the material under study and utilizes the material well in the assignment. The student meets the assignment criteria, with few errors or omissions.

C: Work that minimally demonstrates a basic or technical understanding of the material under study and uses some relevant material in the assignment. Work may not address one or more criteria or may not accomplish what was asked.

F: Work that is incomplete, inappropriate and/or shows little or no comprehension of the material under study.

## **COMMUNICATION AND COURSE TECHNICAL GUIDELINES**

Technical support: Students with technical issues with the course and email should contact 6TECH for support either by email or phone or chat (<https://its.uncg.edu/Help/6TECH/>). Please also make your instructor aware of the issue, and if there will be any delays in resolving the issue.

## **ACADEMIC INTEGRITY POLICY**

Each student is required to comply with the Academic Integrity Policy on all work submitted for the course. Refer to the following URL:

<https://osrr.uncg.edu/academicintegrity/>.

## ACCOMODATIONS

UNCG seeks to comply fully with the Americans with Disabilities Act (ADA). Students requesting accommodations based on a disability must be registered with the Office of Accessibility Resources and Services (OARS) in 215 Elliott University Center, 334-5440, [oars.uncg.edu](https://oars.uncg.edu).

Students may request accommodations for religious holidays under applicable laws. See <https://catalog.uncg.edu/academic-regulations-policies/university-policies/> for more information.

Students should remind the instructor in advance when accommodation affects course activities, e.g., before taking exams, to ensure that the instructor has updated systems accordingly.

## HEALTH AND WELLNESS

Your health impacts your learning. Throughout your time in college, you may experience a range of health issues that can cause barriers to your learning. These might include physical ailments, illnesses, strained relationships, anxiety, high levels of stress, alcohol/drug problems, feeling down, or loss of motivation. Student Health Services and The Counseling Center can help with these or other issues you may be experiencing. You can learn about the free, confidential mental health services available on campus by calling 336-334-5874, visiting the website at <https://shs.uncg.edu/> or visiting the Anna M. Gove Student Health Center at 107 Gray Drive. Help is always available.

## ATTENDANCE AND LATE WORK/MAKEUP POLICIES

Students with university-related or requested absences, e.g., field trips in other courses or multiple exams during finals week, must make prior arrangements in advance for any conflicts with their schedule and due dates for the course.

Students should review the following [Bryan School Faculty and Student Guidelines](#) to understand the roles and responsibilities of both students and faculty.

## COURSE SCHEDULE

The course schedule will be published and maintained within the Canvas portal.

## COVID-19 STATEMENT

As we return for spring 2023, please uphold UNCG's culture of care to limit the spread of covid-19 and other airborne illnesses. These actions include, but are not limited to:

- Engaging in proper hand-washing hygiene
- Self-monitoring for symptoms of covid-19
- Staying home when ill
- Complying with directions from health care providers or public health officials to isolate if ill
- Completing a [self-report](#) when experiencing covid-19 symptoms or testing positive for covid-19
- Following the CDC's [exposure guidelines](#) when exposed to someone who has tested positive for covid-19
- Staying informed about the University's policies and announcements via the [covid-19](#) website

