

# Global Cyber Threat Analysis (ISM 667)

*ISSCM, The University of North Carolina, Greensboro*

**TERM** Spring 2020

**LOCATION** Online

**INSTRUCTOR** Dr. Gurpreet Dhillon  
Professor & Head, UNCG

**BRYAN SCHOOL MISSION** In the Bryan School of Business & Economics, we create and disseminate knowledge about the theory and practice of business. In addition to our courses and research, we accomplish this through hands-on projects, global experiences, and outreach to the community. Our work produces principled leaders and exceptional problem solvers who have a global perspective, an innovative mindset, a broad understanding of sustainability, and a commitment to improving the organizations in which they work and the communities in which they live.

**COURSE DESCRIPTION AND OUTCOMES** Catalogue description - 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.

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 in light of such global threats.

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

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

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**REQUIREMENTS** This is a 3-credit course. The exact number of hours per week that you can expect to spend on each course will vary based upon the weekly coursework, as well as your study style and preferences. You should plan to spend 15-18 hours per week in each course reading material, interacting with fellow students and the instructor, writing papers, completing projects, and doing research.

**MATERIALS NEEDED** There is no one prescribed book for this course. Students should however read the following books to develop a good understanding of the subject matter:

1. Carlin, John (2018). Dawn of the Code War: America's Battle Against Russia, China, and the Rising Global Cyber Threat. Public Affairs. ISBN: 978-1541773837 [[Buy from Amazon](#)]  
[Available as an audiobook: [Audiobook@Audible](#)]
2. Worldwide threat assessment report [[Download here](#)]
3. Misha, G. (2008). McMafia: A Journey through the Global Criminal Underworld. Alfred A. Knopf, New York.  
[The book also inspired a [British Crime Drama Television Series](#) - McMafia]

**GRADING** Evaluation of student performance is based on the following grading scale: 95-100 = A, 90-94 = A-, 86-89= B+ , 82-85= B, 80-82=B-, 76-79=C+, 73-75=C, 70-72=C-, 69 and lower is F

Assessment	Percentage
Group Homework Assignments (8)	30
Ongoing discussion forums	30
Individual Term Paper	30
Class Participation	10
Total	100

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## **Group Case Study:**

There are seven group assignments due for this course. Each assignment takes the form of a case study, which the group has to identify and write about. Specific information for each of the assignments and the groups are available in Canvas. All groups are randomly generated with a predefined group leader. It is the responsibility of the group leader to ensure that the assignment is submitted on time. The structure of the assignment, expectations and grading rubric is available in Canvas.

All assignments must be completely the original work of the students submitting them and include proper citations to the published work of others. **Plagiarizing the work of others will result in an automatic F.** All assignments are due at the due date stated on the assignment. Assignments turned in after the due date will be counted as late and will be assessed a severe grading penalty (one letter grade lower than what you would have received). Written assignments not received within 24 hours of the due date will not be accepted and will be given a grade of 0. Use software features to check spelling and grammar, when appropriate. However, DO NOT assume that the software will catch all errors. Please proofread your work carefully. Be sure to cover all assignment parts.

## **Discussion forums:**

The class will use innovative ways to discuss critical global cyber threat analysis issues. Rather than text-based discussion boards, we will be using ARC. Each discussion will have a suggested first day to register a comment and suggested dates to reply to other comments. This does not mean that students are to use the minimum criteria. You are encouraged to be engaged in your conversations and discussions. A predefined rubric is used for assessment. Each discussion carries 25 points. All discussion board points will be added and scaled to 30% of the total grade.

## **Individual Term Paper:**

There is one individual term paper, which is due one week prior to the end of the class. Topic areas for the term paper will be randomly allocated to all students. The structure of the term paper, expectations, and grading rubric is available in Canvas.

All papers must be completely the original work of the student and include proper citations

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### **Course Participation:**

Students are expected to be active participants in the course. Full credit for participation will be extended to students who regularly attend virtual sessions, post to class discussion forums, ask questions, share observations, and contribute relevant personal experiences. Students are expected to attend virtual sessions prepared to think and communicate their thought process. Analysis questions frequently do not have only one correct answer so students should be prepared to defend the conclusions they reach! Students may be required to participate in web-based threaded discussions of questions or issues that are distributed by the instructor. Effective written communication is stressed through written assignments, online discussions, and email communications. It is expected that all communications are prepared and presented professionally.

**No incompletes or late submissions are accepted.**

### **NETIQUETTE**

All posts and classroom communication must be conducted in a professional and respectful manner in accordance with the student code of conduct. Think before you push the "Send" button. Did you just say what you meant? How will the person on the other end read the words?

Any derogatory or inappropriate comments regarding race, gender, age, religion, sexual orientation, are unacceptable and subject to disciplinary action. If you have concerns about something that has been said, please let your instructor know.

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## **POLICY STATEMENTS Academic Integrity**

UNCG Academic Integrity statement can be found here:

<http://sa.uncg.edu/handbook/academic-integrity-policy/>

## **Faculty and Student Guidelines**

UNCG Faculty and student guidelines are be found here:

[http://bryan.uncg.edu/wp-content/uploads/2012/08/faculty\\_student\\_guidelines.pdf](http://bryan.uncg.edu/wp-content/uploads/2012/08/faculty_student_guidelines.pdf)

## **Electronic Mail and Canvas Accounts**

You should check your UNCG email and Canvas course link regularly as I may send email updates or add new info on Canvas on an ongoing basis. You will be responsible for any information or announcements contained in the email messages or updates on Canvas.

## **Student Conduct in the Classroom**

UNCG student conduct policy can be found here:

<https://sa.uncg.edu/handbook/student-code-of-conduct/>.

## **Accessibility policy**

UNCG accessibility policy can be found here: <https://ods.uncg.edu>

## **Excused Absences for Students Representing the University**

The policy can be accessed here:

[http://policy.uncg.edu/university-policies/accommodations\\_university\\_events/](http://policy.uncg.edu/university-policies/accommodations_university_events/)

## **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.

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## **Academic Accommodations**

The University of North Carolina at Greensboro respects and welcomes students of all backgrounds and abilities. If you feel you will encounter any barriers to full participation in this course due to the impact of a disability, please contact the Office of Accessibility Resources and Services (OARS). The OARS staff can meet with you to discuss the barriers you are experiencing and explain the eligibility process for establishing academic accommodations. You can learn more about OARS by visiting their website at <https://ods.uncg.edu/> or by calling 336-334-544 or visiting them in Suite 215, EUC.

## **SCHEDULE**

Schedule page can be downloaded separately.