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.
Global Cyber Threat Analysis (ISM 667)

ISSCM, The University of North Carolina, Greensboro

TERM: Spring 2021
LOCATION: Online
INSTRUCTOR: Dr. Gurpreet Dhillon, Professor & Head, UNCG

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 one prescribed book for this course. The book is only available in digital format (Kindle). It is important to download the book on a Kindle enabled device (Kindle, iPad etc). There are several other supplementary readings. Each of these will be available for download through the Canvas.


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

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Type</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Experiential Learning Global Threat Analytics Project</td>
<td>Group</td>
<td>30</td>
</tr>
<tr>
<td>Case Study</td>
<td>Individual</td>
<td>30</td>
</tr>
<tr>
<td>Critical Thinking</td>
<td>Individual</td>
<td>20</td>
</tr>
<tr>
<td>Quizzes</td>
<td>Individual</td>
<td>20</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>100</td>
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</table>

Experiential Learning Global Threat Analytics Project:
The class will be divided into groups. Over the first 5-6 weeks, we will teach you how to model predictive analytical problems, use a predictive analytical tool, collect data, and interpret the findings. The groups will then be allocated a problem to model the problem,
use the tool, collect data, and draw interpretations. We will be using smartPLS.

Case Study:
You are required to document and write about a global cyber threat case. The thematic of the case needs to be aligned with the content of the course. Case study papers will be between 3000 and 5000 words. You need to spend 80% of the effort in describing the case. You should spend the remaining 20% answering the “so what” question, i.e., what did we learn; so what can/should be done. The deadline for submission is one week before the last day of classes.

Critical Thinking:
There will be four critical thinking assignments. You will be given a problem statements and your remit is to provide a critically thought through assessment. Details are available through Canvas.

Important:
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.

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.

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

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/

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.

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.
## ISM 667: Global Cyber Threat Analysis (Spring 2021)

Synchronous Meeting Time: Monday 7-8.15 PM. All meetings will be recorded and made available.

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Meeting</th>
<th>Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 19-22</td>
<td>Introduction</td>
<td>No</td>
<td>Video: Who am I?; Intro to Cyber Threats Readings on Canvas</td>
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<tr>
<td>Jan 25-29</td>
<td>Context of Global Cyber Threats</td>
<td>Yes [analytics tutorial]</td>
<td>Read Ch. 1 &amp; 3 and others Watch Video Experiential Learning Assignment</td>
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<tr>
<td>Feb 1-5</td>
<td>Cyberespionage</td>
<td>Yes [analytics tutorial]</td>
<td>Read Ch 4 Watch Video Watch INSLAW Video Experiential Learning Assignment</td>
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<tr>
<td>Feb 8-12</td>
<td>Cyberespionage</td>
<td>Yes [analytics tutorial]</td>
<td>Critical Thinking 1 Finalize Case Study topic by 2/12 Experiential Learning Assignment</td>
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<tr>
<td>Feb 15-19</td>
<td>Cyberlaundering</td>
<td>Yes [analytics tutorial]</td>
<td>Read Ch 5 &amp; 6 Watch Video Watch Heist Video Experiential Learning Assignment</td>
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<tr>
<td>Feb 22-26</td>
<td>Cyberlaundering</td>
<td>Yes [analytics tutorial]</td>
<td>Critical Thinking 2 Model development for analytics project Experiential Learning Assignment</td>
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<tr>
<td>Mar 1-5</td>
<td>Small group meetings to finalize analytics model</td>
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<tr>
<td>Mar 8-12</td>
<td>Cyberidentity</td>
<td>Yes [Q&amp;A lecture and meeting]</td>
<td>Read Ch 12 Critical Thinking (Doubleclick) 3 Watch Video Watch Cambridge Analytica Video</td>
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<tr>
<td>Mar 15-19</td>
<td>Cyberidentity</td>
<td>No</td>
<td></td>
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<tr>
<td>Mar 22-26</td>
<td>Cyberstalking</td>
<td>No</td>
<td>Read Ch 2 Watch Video Pilot data collection</td>
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<tr>
<td>Mar 29-Apr 2</td>
<td>Cyberterrorism</td>
<td>No</td>
<td>Read Ch 7 Watch Video Analyze data</td>
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<tr>
<td>Apr 5-9</td>
<td>Cyberterrorism</td>
<td>Yes [Q&amp;A lecture and meeting]</td>
<td>Critical Thinking 4 Analyze data</td>
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<tr>
<td>Apr 12-16</td>
<td>Analytics Presentations</td>
<td></td>
<td>Analyze data</td>
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<tr>
<td>Apr 19-23</td>
<td>Analytics Presentations</td>
<td>Final Case Study Paper due</td>
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<tr>
<td>Apr 26-30</td>
<td>Exams; Last day of classes is Apr 28</td>
<td>Analytics Presentations</td>
<td>Final analytics report due Final Exam (April 30)</td>
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