ISM 201
Course title: Essentials of Cybersecurity

Professor INFORMATION
Name: Kane J. Smith, PhD
Office Location: 422 Bryan Building
Email: Kjsmith9@uncg.edu
Office Hours: By Appointment

GENERAL INFORMATION
Undergraduate Level, 3 credit hours
Schedule Type – Online
Delivery - Online

COURSE REQUIREMENTS
This course provides an overview of cyber security essentials. Any loss of data or compromise devastates a corporation. This course covers essential aspects of cyber security management.
Prerequisites: ISM 110. Restricted to students who are Pre admitted to or admitted to majors in the Business School (PACC, ACCT, PBAD, BADM, CARS, ECON, ECOS, PENT, ENTR, PFIN, FINC, PINT, INTB, PISC, ISSC, PMKT, MKTG, or PSTH, STHP).

REQUIRED AND RECOMMENDED TEXTS/READINGS
All readings and materials provided on Canvas.

COURSE DESCRIPTION
This course provides students with insight into the cybersecurity issues in the field of Information Systems. These include securing organizational data, responding to cyber-based security breaches, emerging technologies, and ensuring a secured computing environment for safeguarding company information. The course reviews the network security and cryptographic techniques that are currently being used. The nuances involved in defining cybersecurity strategies and complying with security standards to ensure governance are also discussed.

COURSE-SPECIFIC STUDENT LEARNING OUTCOMES (SLOs)
Upon successful completion of this course students will be able to:

1. Understand the core cybersecurity principals of Confidentiality, Integrity and Availability.
2. Evaluate different authentication methods as solutions to secure information assets.
3. Explain how authentication is used with cryptography to secure information access.
4. Demonstrate ability to recognize and communicate threats to organizational information assets.
5. Analyze possible threats to organizational data and recommend course(s) of action to mitigate cybercrime attacks.
EVALUATION AND GRADING

Grading Scale
You will receive a score of 0 for any work not submitted. Late Assignments are subject to a 10% penalty. To receive credit for the course, you must earn a letter grade of D- or higher based on fulfilling assigned course work (e.g., assignments, quizzes, tests, etc.). 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%

<table>
<thead>
<tr>
<th>Points</th>
<th>Grade</th>
<th>Letter</th>
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<tbody>
<tr>
<td>94% or higher</td>
<td>A</td>
<td>77 – 79.9%</td>
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<tr>
<td>90 – 93.9%</td>
<td>A-</td>
<td>73 – 76.9%</td>
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<tr>
<td>87 – 89.9%</td>
<td>B+</td>
<td>70 – 72.9%</td>
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<tr>
<td>83 – 86.9%</td>
<td>B</td>
<td>&lt; 60%</td>
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<tr>
<td>80 – 82.9%</td>
<td>B-</td>
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The course grade will be based on the following distribution:

1. Weekly Assignments 200 points
2. Term Paper 200 points
3. Midterm Exam 300 points
4. Final Exam 300 points

TOTAL 1000 points

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/academic-integrity/.

ACCOMMODATIONS
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.

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.

FINAL EXAMINATION
Online – See Tentative Schedule for more information