

## **Cyber Security: CISM 4355 (Summer 2019)** **M-F 12:30PM-2:45PM; RCOB 2329**

### **Faculty Information**

- Dr. Gelareh (Ellie) Towhidi
- Office: RCOB 2318
- Office hours:
  - On Campus: Tuesday 3PM-5:30PM
  - Online: Please e-mail me at “gtowhidi@westga.edu” and make sure you use the subject line "CISM 4355- Section ##", so that I will know which class your question is referring to.
  - And by appointment
- Email: [gtowhidi@westga.edu](mailto:gtowhidi@westga.edu)

### **Online Support**

- CourseDen Home page: <https://westga.view.usg.edu>
  - CourseDen Help & Troubleshooting: <http://uwgonline.westga.edu>
  - Distance Learning Library Services: <http://westga.edu/~library/depts/offcampus/>
  - Ingram Library Services: <http://westga.edu/~library/info/library.shtml>
  - UWG Bookstore: <http://www.bookstore.westga.edu>
  - Disability Services: [http://www.westga.edu/studentDev/index\\_8884.php](http://www.westga.edu/studentDev/index_8884.php)
- Additional resources and links are available in the UWG|Online CourseDen (D2L) Resources widget on your course homepage*

### **Materials and Prerequisites**

- Successful completion of CISM 3330 is required to be enrolled in this course.
- The textbook is “Principles of Information Security”, 6<sup>th</sup> edition, Cengage Learning– Whitman and Mattord, ISBN 978-1-337-10206-3
- Access to MindTap is strongly suggested. That is where the online textbook, interactive videos, activities, and other materials are available (you may choose to access MindTap for a two-week free trial).
  - Textbook Registration Link: <https://www.cengage.com/dashboard/#/course-confirmation/MTPN71BNRRF8/initial-course-confirmation>
- If you purchase a printed textbook, it is YOUR responsibility to make sure you have access to MindTap, whether you purchase a new book or not.
- Software requirements:
  - Cisco Packet Tracer (Installed on labs and links provided on CourseDen)
- Cisco Networking Academy Cybersecurity Courses: course registration link will be posted on CourseDen

- The professor posts all the lecture materials and readings, quizzes, assignments, and projects instructions on UWG CourseDen. Also, all the class announcements, assignment reminders, and any news or changes will be sent out via CourseDen. Students must check CourseDen on a daily basis.

## **Course Description**

This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features.

## **Course Learning Objectives**

- Understand the major concepts of information security, including inspection and protection of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technical and managerial responses, and security planning and staffing functions.
- Identify cyber trends and threats, cybercrime, cybersecurity technologies, and procedures used to defend networks by using the spectrum of security activities, methods, methodologies, and procedures.
- Demonstrate the ability to monitor, detect and respond to cybersecurity threats using Cisco Network Academy cybersecurity hands-on tools.

## **Course Evaluation**

- **Quizzes**
  - There will be an online quiz for each chapter in CourseDen. Section A (Ch. 1-5) quizzes are due before Exam 1 and section B (Ch. 6-9,12) quizzes are due before the exam 2.
  - Be sure to check the course schedule for due dates. Quizzes WILL NOT BE RE-OPENED if not completed on time.
  - The CourseDen Quizzes are individual assignments, and you are allowed to use your book while taking them. However, you are not allowed to work in groups.
- **Assignments**
  - There will be multiple assignments from the Cisco labs, Cisco Packet Tracers, textbook exercises, and real-world security case studies.
  - All the assignments are individual works.
  - All the assignment submissions are made in "Assignments" (dropbox) on CourseDen. Be sure to check the course schedule for due dates.
  - Late assignments are accepted only up to ONE DAY LATER WITH A 20% PENALTY.
  - Assignments not turned in by 11:59 PM the day after the due date will be marked MISSED and will not receive any credit. No additions or corrections will be accepted after the due date.
- **In Class Exams**
  - There will be 2 IN-CLASS closed book exams (approximately 50 questions). Exam 1 covers section A chapters and exam 2 covers section B chapters.

- In case of emergencies, request for a makeup exam must occur by email no later than 24 hours after the exam start time. All requests for a makeup exam requires DOCUMENTED PROOF.
- **Cisco NetAcad Course Certificate**
  - The course registration link will be sent to you. You will gain a certificate of completion by completing the course material.
- All grades must be reviewed within two days after grades are posted.

## **Grading Policy**

The course grade will be determined by the following components.

Quizzes	20%
Labs and Assignments	35%
Case Study Projects	15%
In-class Exams	30%
<u>Cisco NetAcad Course Certificate</u>	<u>Bonus</u>
Total	100%

### **Grading scale (Percentage)**

- A: 90% and above
- B: 80 – 89.99%
- C: 70 – 79.99%
- D: 60 – 69.99%
- F: 59.99% and below

## **Course Policy**

- Students must CHECK “ANNOUNCEMENTS” ON COURSEDEN ON A DAILY BASIS for any newly released information or changes concerning this course.
- Students are responsible to find out about any changes in due dates and course content.
- It is your responsibility to keep up with the due dates and the work, as “I forgot” is not a justifiable excuse for missing a due date and time.
- If you need accommodations in order to meet any of the requirements of this course, please let the professor know as soon as possible, preferably by the end of the first week. I will do my very best to accommodate any legitimate need.
- All assignments/projects must be uploaded correctly to the designated CourseDen submission folder by the deadline. Submitting your assignments/projects via email attachments are not acceptable and will NOT be graded.
- Only UWG issued e-mail addresses will be answered by either the professor.
- No emails are checked or answered within the CourseDen environment.

- Emails are usually answered WITHIN 24 HOURS. If you do not get a reply within 24 hours, assume I did not receive it and please resend. I reply to all emails. Students should not expect a response during non-business hours, which includes nights, weekends, holidays, and school breaks.
- Scholastic Dishonesty: The State University of West Georgia Academic Honesty Policy will be enforced. You can read this policy at <http://www.westga.edu/~vpaa/handrev/207>.
- Study partners are encouraged in the completion of assignments. However, each student is required to complete and submit his/her own work. Copied work will be considered plagiarism and will result in academic discipline.
- **The professor reserves the right to change any part of this document including the schedule and/or requirements.**

**COMMON LANGUAGE FOR COURSE SYLLABI**

Updated July, 2017

Students should review the following information each semester.

**ACADEMIC SUPPORT**

**Accessibility Services:** Students with a documented disability may work with UWG Accessibility Services to receive essential services specific to their disability. All entitlements to accommodations are based on documentation and USG Board of Regents standards. If a student needs course adaptations or accommodations because of a disability or chronic illness, or if he/she needs to make special arrangements in case the building must be evacuated, the student should notify his/her instructor in writing and provide a copy of his/her Student Accommodations Report (SAR), which is available only from Accessibility Services. Faculty cannot offer accommodations without timely receipt of the SAR; further, no retroactive accommodations will be given. For more information, please contact [Accessibility Services](#).

**Center for Academic Success:** The [Center for Academic Success](#) provides services, programs, and opportunities to help all undergraduate students succeed academically. For more information, contact them: 678-839-6280 or [cas@westga.edu](mailto:cas@westga.edu)

**University Writing Center:** The [University Writing Center](#) assists students with all areas of the writing process. For more information, contact them: 678-839-6513 or [writing@westga.edu](mailto:writing@westga.edu)

**ONLINE COURSES**

UWG takes students' privacy concerns seriously: technology-enhanced and partially and fully online courses use sites and entities beyond UWG and students have the right to know the privacy policies of these entities. For more information on privacy and accessibility for the most commonly used sites, as well as technology requirements visit the [UWG Online](#) site.

Students enrolled in online courses can find answers to many of their questions in the [Online/Off-Campus Student Guide](#).

If a student is experiencing distress and needs help, please see the resources available at the [UWG Cares](#) site. [Online counseling](#) is also available for online students.

**HONOR CODE**

At the University of West Georgia, we believe that academic and personal integrity are based upon honesty, trust, fairness, respect, and responsibility. Students at West Georgia assume responsibility for upholding the honor code. West Georgia students pledge to refrain from engaging in acts that do not maintain academic and personal integrity. These include, but are not limited to, plagiarism, cheating, fabrication, aid of academic dishonesty, lying, bribery or threats, and stealing.

The University of West Georgia maintains and monitors a confidential Academic Dishonesty Tracking System. This database collects and reports patterns of repeated student violations across all the Colleges, the Ingram Library, and the School of Nursing. Each incidence of academic dishonesty is subject to review and consideration by the instructor, and is subject to a range of academic penalties including, but not limited to, failing the assignment and/or failing the course. Student conduct sanctions range from verbal warning to suspension or expulsion depending on the magnitude of the offense and/or number of offenses. The incident becomes part of the student's conduct record at UWG.

Additionally, the student is responsible for safeguarding his/her computer account. The student's account and network connection are for his/her individual use. A computer account is to be used only by the person to whom it has been issued. The student is responsible for all actions originating through his/her account or network connection. Students must not impersonate others or misrepresent or conceal their identities in

electronic messages and actions. For more information on the University of West Georgia Honor Code, please see the [Student Handbook](#).

**UWG EMAIL POLICY**

University of West Georgia students are provided a MyUWG e-mail account. The University considers this account to be an official means of communication between the University and the student. The purpose of the official use of the student e-mail account is to provide an effective means of communicating important university related information to UWG students in a timely manner. It is the student's responsibility to check his or her email.

**CREDIT HOUR POLICY**

The University of West Georgia grants one semester hour of credit for work equivalent to a minimum of one hour (50 minutes) of in-class or other direct faculty instruction AND two hours of student work outside of class per week for approximately fifteen weeks. For each course, the course syllabus will document the amount of in-class (or other direct faculty instruction) and out-of-class work required to earn the credit hour(s) assigned to the course. Out-of-class work will include all forms of credit-bearing activity, including but not limited to assignments, readings, observations, and musical practice. Where available, the university grants academic credit for students who verify via competency-based testing, that they have accomplished the learning outcomes associated with a course that would normally meet the requirements outlined above (e.g. AP credit, CLEP, and departmental exams).

**HB 280 (Campus Carry)**

UWG follows University System of Georgia (USG) guidance:

[Additional Information](#)

You may also visit our website for help with USG Guidance:

[Campus Carry Information](#)

**Proprietary Material Agreement**

The materials on this course website are only for the use of students enrolled in this course for purposes associated with this course and may not be retained or further disseminated.

**Online Privacy**

This course may require you to work with other sites and entities beyond UWG and CourseDen (D2L) where some personal information (e.g. your name, affiliation with UWG, or current employment) may be displayed. You have the right to regulate the displaying of information pertaining to yourself on the Internet. If you are uncomfortable displaying information that you deem overly personal, you may take steps to post more anonymous manner (such as posting online your first name and last initial only or other pseudonym). You also agree to respect other people's wishes to remain anonymous.

**Links to and From Third-Party Sites**

There may be links established between this course and other entities and sites on the World Wide Web, Internet or other areas that are not under the control of, nor maintained by your professor or the University of West Georgia (UWG). These links do not necessarily constitute an endorsement by your professor or UWG, and UWG has no obligation to monitor such sites, and the user agrees that neither your professor nor UWG is responsible for the content of such sites or for any technical or other problems associated with any such third-party site, links, or usage.

## Course Tentative Schedule

**IN-CLASS DAYS- Attendance is required!**

<b>Date</b>	<b>Activity</b>	<b>Readings and Assignments</b>	<b>Special Instructions</b>
6/28	Course Introduction	Syllabus <b>Register to Cisco NetAcad</b>	Online Day
7/1	Intro to Information Security	Chapter 1 Quiz	Online Day
7/2	Cisco's Approach to Cyber Security	Intro to Cisco Packet Tracer, Cisco Labs, and Case Projects	Optional Lab
7/3	Information Threats and Attack	Chapter 2 Quiz	Online Day
7/4	<b>NO CLASS</b>		
7/5	Legal, Ethical, and Related Issues	Chapter 3 Quiz	Online Day
7/8	Cisco Packet Tracer Assignment 1	<b>Cisco Packet Tracers 1-5 Due at 11:59pm</b>	Online Day
7/9	Security Planning, Policy, and Continuity	Chapter 4 Quiz	Online Day
7/10	Risk Management Cisco Lab Assignment	Chapter 5 Quiz <b>Cisco Labs 1-5 &amp; RM Due at 11:59pm</b>	Online Day
7/11	<b>Exam 1</b>		<b>In Class Day</b>
7/12	Security Technologies	Chapter 6 Quiz	Online Day
7/15	Cisco Packet Tracer Assignment 2	<b>Cisco Packet Tracers 6-10 Due at 11:59pm</b>	Online Day
7/16	Security Technologies	Chapter 7 Quiz	Online Day
7/17	Cryptography	Chapter 8 Quiz	Online Day
7/18	Case Study Project 1	<b>Case Project 1 Due at 11:59pm</b>	Online Day
7/19	Physical Security	Chapter 9 Quiz	Online Day
7/22	Security Maintenance	Chapter 12 Quiz	Online Day
7/23	Case Study Project 2	<b>Case Project 2 Due at 11:59pm</b>	Online Day
7/24	<b>READING DAY</b>		
7/25	<b>Exam 2</b>	<b>Cisco NetAcad Course Certificates (Bonus)</b>	<b>In Class Day</b>