

**Cyber Security: CISM 5355- 02D (Spring 2019)**  
**M&W 2:00PM-3:15PM; RCOB 2327**

### **Faculty Information**

- Dr. Gelareh (Ellie) Towhidi
- Office: RCOB 2318
- Office hours:
  - On Campus: Monday & Wednesday 10:45AM-12:30PM
  - Online: Please e-mail me at “gtowhidi@westga.edu” and make sure you use the subject line "CISM 5355 and your section number i.e. 02D”, 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
- 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.
- Access to MindTap is strongly suggested. That is where the online textbook, interactive videos, activities, and other materials are available. Registration Link:  
<https://www.cengage.com/dashboard/#/course-confirmation/MTPP24TNZW5Q/initial-course-confirmation> (you may choose to access MindTap for a two-week free trial)

- 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: Microsoft Office 365 (available for free through UWG ITS), Adobe Reader, and other potentially required downloads listed in CourseDen (D2L).

### **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.
- Recognize related professional certifications in cyber security such as CCNA Cyber Ops or Cisco CCNA Security Certifications.

### **Course Evaluation**

- **Chapter Quizzes on CourseDen**

- There will be an online quiz for each chapter in CourseDen.
- Quizzes are organized based on the two following sections. Section A quizzes are due before Exam 1 and section B quizzes are due before the exam 2.

SECTION A

Ch. 1            Ch. 3            Ch. 2            Ch. 4            Ch. 5

SECTION B

Ch. 6            Ch. 7            Ch. 9            Ch. 8            Ch. 12

- 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. That is considered cheating.

- **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.
- Exams are IN-CLASS EXAMS, there WILL NOT BE ANY ONLINE OR OFF-CAMPUS PROCTORING SERVICES for the course exams.
- You need to be SEATED BY THE BEGINNING OF THE EXAM PERIOD as you may be denied to take the exam if you arrive after the first student completes the exam and leaves the room.
- The desk space will be cleared, no hats, no earphones, and no electronic devices.
- 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.

- **Individual Assignments**

- here will be multiple assignments from the textbook exercises, case studies, and Cisco Learning Network to be completed during the semester. Cisco is one of the leading companies in the field of network security that provides education, technical training, and prepare for the professional certifications such as CCNA Security and CCNP Security. University of West Georgia is in the process to become a member of Cisco Academic Network.
- All the assignments are individual works.
- Late assignments are accepted only up to ONE DAY LATER WITH A 20% PENALTY.
- Be sure to check the course schedule for due dates.
- All the assignment submissions are made in "Assignments" (dropbox) on CourseDen.
- The submission dropbox will be closed at 11:59 PM the day after the due date and WILL NOT be reopened.

- **Group Project**

- There will be two group projects to examine published security/privacy related policies of real-world organizations and assess them based on multiple criteria.
- In the first session of the class, you will have the chance to make your teams.
- There will be scheduled group sessions during the semester.
- Each group is required to submit a written paper of their project to the CourseDen "GroupProject" dropbox.
- Make sure to check the course schedule for the due date.

- **Research Paper**

- Students will identify and examine an emerging technology or innovation that impacts cybersecurity.
- A written paper is required to describe the innovation, its advantages, and its related security and privacy risks.

## **Grading Policy**

The course grade will be determined by the following components.

In-class Exams	30%
Chapter Quizzes	25%
Individual Assignments	15%
Group Projects	20%
<u>Research Paper</u>	<u>10%</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

- **Extra Credit:** There may be an opportunity to earn extra credit, any available extra credit will be posted in the “Announcements” section on CourseDen.

## **Course Policy**

- Students must CHECK “ANNOUNCEMENTS” ON COURSE DEN 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.
- **The professor reserves the right to change any part of this document including the schedule and/or requirements.**

### **Attendance Verification**

In order to distribute Title IV funding (federal student aid), student attendance verification is required. Therefore, all students must verify their attendance by being physically present in the class during in-class days. Students attendance for online class days are based on their UWG CourseDen activities.

### **Engagement & Progress**

Engagement and progress with the course material is critical. Students enrolled in this course are expected to be active learners and participants. Students are expected to show progress in learning the material. Progress is shown through the completion of assignments and quizzes.

### **Credit Hour Policy (3 credit hours)**

For approximately fifteen weeks, students in this class will generally spend 150 minutes with direct faculty instruction (either face-to-face or online) and work about 360 minutes outside of the classroom each week. This out-of-class work may include, but is not limited to, readings, assignments, projects, group work, research, and test preparation.

### **Students Rights and Responsibilities**

Please carefully review the information at the following link:

[http://www.westga.edu/assetsDept/vpaa/Common\\_Language\\_for\\_Course\\_Syllabi.pdf](http://www.westga.edu/assetsDept/vpaa/Common_Language_for_Course_Syllabi.pdf)

The document at this link contains important information pertaining to your rights and responsibilities in this class. Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester.

**Americans with Disabilities Act**

If you are a student who is disabled as defined under the Americans with Disabilities Act and require assistance or support services, The Office of Disability Services will help you understand your rights and responsibilities under the Americans with Disabilities Act and provide you further assistance with requesting and arranging accommodations.

If you need course adaptations or accommodations because of a disability or chronic illness, or if you need to make special arrangements in case the building must be evacuated, please notify your instructor using the course email system by the end of the second full week of class and attach a PDF copy of your Student Accommodations Report (SAR) which is available only from the Office of Disability Services. Accommodation requests require appropriate notice and paperwork.

**University of West Georgia 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.

You are responsible for the safeguarding of your computer account. Your account is for your individual use. A computer account is to be used only by the person to whom it has been issued. You are responsible for all actions originating through your account or network connection. You must not impersonate others or misrepresent or conceal your identity in electronic messages and actions.

## Course Tentative Schedule

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

Day	Date	Activity	Assignment	Attendance
M	Jan-7	Course intro, syllabus, team makeup		In Class Day
W	Jan-9	Intro to information security	Chapter 1 Quiz	Online Day
M	Jan-14	Legal, ethical, and related issues	Chapter 3 Quiz	Online Day
W	Jan-16	Intro to Cisco; Cybersecurity privacy; Intro to the group project 1		In Class Day & Group Time
M	Jan-21	NO CLASS- MLK Day		
W	Jan-23	Protecting data and privacy- Cisco Readings ch.3		Online Day
M	Jan-28	Group project 1		Group Time
W	Jan-30	Group project 1	Group Project 1 Due at 11:59pm	Group Time
M	Feb-4	Information threats and attacks	Chapter 2 Quiz	Online Day
W	Feb-6	Security planning, policy, and continuity	Chapter 4 Quiz	Online Day
M	Feb-11	Risk management	Chapter 5 Quiz	Online Day
W	Feb-13	Risk management	Assignment 1 Due at 11:59pm	Online Day
M	Feb-18	Exam 1 Review	Section A quizzes close and are due at 11:59pm	Online Day
W	Feb-20	In-Class EXAM 1 (Closed Book)		In Class Day
M	Feb-25	Security technologies	Chapter 6 Quiz	Online Day
W	Feb-27	Intro to CCNA; Security policy; Intro to the group project 2		In Class Day & Group Time

M	Mar-4	Security technologies	Chapter 7 Quiz	Online Day
W	Mar-6	Physical security	Chapter 9 Quiz	Online Day
M	Mar-11	Group project 2		Group Time
W	Mar-13	Group project 2	Group Project 2 Due at 11:59pm	Group Time
M	Mar-18	SPRING BREAK		
W	Mar-20	SPRING BREAK		
M	Mar-25	Cybersecurity attacks and techniques- Cisco Readings ch.2		Online Day
W	Mar-27	Cisco's approach to cyber security		Optional Lab Day
M	Apr-1	Cisco's approach to cyber security	Assignment 2 Due at 11:59pm	Online Day
W	Apr-3	Cisco's approach to cyber security		Optional Lab Day
M	Apr-8	Cisco's approach to cyber security	Assignment 3 Due at 11:59pm	Online Day
W	Apr-10	Cryptography	Chapter 8 Quiz	Online Day
M	Apr-15	Security maintenance		Online Day
W	Apr-17	Security maintenance	Chapter 12 Quiz	Online Day
M	Apr-22	Exam 2 review	Section B quizzes close and are due at 11:59pm	Online Day
W	Apr- 24	In Class EXAM 2 (Closed Book)	Research Paper due at 11:59pm	In Class Day