I. OBJECTIVES

Upon satisfactory completion of this course, the student will be able to:

1. Identify potential sources of digital evidence.
2. Understand the techniques and tools used for the collection and preservation of digital evidence.
3. Evaluate the challenges associated with investigating cybercrime.
4. Understand the various sources of cybercrime law.
5. Develop proactive solutions to combat threat actors and improve (cyber)security posture.

II. CATALOG DESCRIPTION

This course examines a wide range of cybersecurity concepts, and it is designed for students entering non-technical security careers, but who still need a basic understanding of how to protect information systems. Topics include computing, networking, and internetworking fundamentals; cyber threats and attack vectors; malware; risk analysis; and continuity planning. Information security concepts such as access control, authentication, encryption, computer and network forensics, and security in Linux and Windows environments are covered. Important legal issues related to information, computer, and network security are also examined.

III. COMMUNICATION

Email: UTEP e-mail is the only way to contact me. I RARELY check Blackboard.

I will make every attempt to respond to your e-mail within 24-48 hours of receipt. When e-mailing me, be sure to email from your UTEP student account and please put the course number in the subject line. In the body of your e-mail, clearly state your question. At the end of your e-mail, be sure to put your first and last name, and your university identification number.

Announcements: Check the Blackboard announcements frequently for any updates, deadlines, or other important messages.

Office Hours: I am available to meet in person or virtually upon request. Appointments should be scheduled via e-mail.

IV. COURSE SCHEDULE

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<th>Week</th>
<th>Assignments</th>
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<td>Evidence-Based Cybersecurity</td>
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<tr>
<td>03/20</td>
<td>Assignment 1 Due 03/20</td>
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<td>03/21</td>
<td>Cybercrime Law</td>
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<td>03/27</td>
<td>Assignment 2 Due 03/27</td>
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<td>03/28</td>
<td>Investigative Methods</td>
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<td>Assignment 3 Due 04/03</td>
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<td>Digital Evidence</td>
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<td>04/10</td>
<td>Assignment 4 Due 04/10</td>
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<td>04/11</td>
<td>Digital Forensics</td>
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<td>Assignment 5 Due 04/17</td>
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<td>04/18</td>
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*Calendar subject to change
V. REQUIRED TEXTBOOKS


VI. ADDITIONAL READINGS

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6
VII. ASSIGNMENTS

Book Review (40%)

Students will read the assigned textbook, *Kingpin: How One Hacker Took Over the Billion-Dollar Cybercrime Underground*, and write a review on it based on the guidelines in the rubric below. The book review should be a minimum of 5 pages long, double spaced, and typed. This assignment is due on Sunday, May 1st!

How you will be graded:

Organization __/10 points
The review’s organization makes sense and aids the reader’s understanding of the content. The book review is divided into multiple paragraphs that summarize each main idea and give supporting evidence. Transitions between ideas are smooth, so that each sentence flows into the next.

Summary __/10 points
Accurately summarizes the main ideas and topics discussed in the book, as well as its organization. Gives the reader a feel for what the book is about and whether it might interest them.

Author's Purpose __/10 points
Gives the author’s background and viewpoint on the topic. Why did the author choose to write about this topic? What was the main point (or points) that the author was trying to get across? What audience is the author writing for?

Spelling, Grammar, and Style __/10 points
Uses correct spelling, grammar, and punctuation. The writer's style and voice remain consistent throughout the piece.

Summary of Assigned Readings (60%)

Students will submit a written summary of the assigned readings each week: due Sunday at 12:00 pm MT.

The writing prompts and grading rubric for the weekly summaries are provided in Blackboard. Students will submit a total of 6 written summaries, each accounting for 10% of their final grade.

VIII. GRADING SCALE

A = 90–100%
B = 80–89%
C = 70–79%
D = 60–69%
F = below 60%

IX. LATE WORK

Please regularly refer to Blackboard for links, documents, announcements, and calendar changes. You are responsible for being up-to-date on all class information that is posted on Blackboard. Although I will try to provide you with reminders for exams, you are ultimately responsible for submitting all assignments and exams on time. Note that, as with any online program, Blackboard may experience unexpected technical difficulties from time to time. For this reason, I strongly suggest that you do not wait until the last minute to submit assignments. Technical difficulties are no excuse for late submissions. **No late work will be accepted without prior approval if the reason is not considered excusable.**
X. INCOMPLETE GRADE POLICY

Incomplete grades may be requested only in exceptional circumstances after you have completed at least half of the course requirements. Talk to me immediately if you believe an incomplete is warranted. If granted, we will establish a contract of work to be completed with deadlines.

XI. TECHNOLOGY REQUIREMENTS

Course content is delivered via the Internet through the Blackboard learning management system. Ensure your UTEP e-mail account is working and that you have access to the Web and a stable web browser. Google Chrome and Mozilla Firefox are the best browsers for Blackboard; other browsers may cause complications. When having technical difficulties, update your browser, clear your cache, or try switching to another browser.

You will need to have access to a computer/laptop. You will need to download or update the following software: Microsoft Office, Adobe Acrobat Reader, Windows Media Player, QuickTime, and Java. Check that your computer hardware and software are up-to-date and able to access all parts of the course.

If you do not have a word-processing software, you can download Word and other Microsoft Office programs (including Excel, PowerPoint, Outlook and more) for free via UTEP’s Microsoft Office Portal. Click the following link for more information about Microsoft Office 365 and follow the instructions.

IMPORTANT: If you encounter technical difficulties beyond your scope of troubleshooting, please contact the UTEP Help Desk as they are trained specifically in assisting with technological needs of students. Please do not contact me for this type of assistance. The Help Desk is much better equipped than I am to assist you!

XII. NETIQUETTE

As we know, sometimes communication online can be challenging. It’s possible to miscommunicate what we mean or to misunderstand what our classmates mean given the lack of body language and immediate feedback. Therefore, please keep these netiquette (network etiquette) guidelines in mind. Failure to observe them may result in disciplinary action.

- Always consider audience. This is a college-level course; therefore, all communication should reflect polite consideration of other’s ideas.
- Respect and courtesy must be provided to classmates and to the instructor at all times. No harassment or inappropriate postings will be tolerated.
- When reacting to someone else’s message, address the ideas, not the person. Post only what anyone would comfortably state in a face-to-face situation.
- Blackboard is not a public internet venue; all postings to it should be considered private and confidential. Whatever is posted on in these online spaces is intended for classmates and professor only. Please do not copy documents and paste them to a publicly accessible website, blog, or other space.

XIII. ACCOMMODATIONS POLICY

The University is committed to providing reasonable accommodations and auxiliary services to students, staff, faculty, job applicants, applicants for admissions, and other beneficiaries of University programs, services and activities with documented disabilities in order to provide them with equal opportunities to participate in programs, services, and activities in compliance with sections 503 and 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) of 1990 and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008. Reasonable accommodations will be made unless it is determined that doing so would cause undue hardship on the University. Students requesting an accommodation based on a disability must register with the UTEP Center for Accommodations and Support Services (CASS). Contact the Center for Accommodations and Support Services at 915-747-5148, or email them at cass@utep.edu, or apply for accommodations online via the CASS portal.
XIV. SCHOLASTIC INTEGRITY

Academic dishonesty is prohibited and is considered a violation of the UTEP Handbook of Operating Procedures. It includes, but is not limited to, cheating, plagiarism, and collusion. Cheating may involve copying from or providing information to another student, possessing unauthorized materials during a test, or falsifying research data on laboratory reports. Plagiarism occurs when someone intentionally or knowingly represents the words or ideas of another as one's own. Collusion involves collaborating with another person to commit any academically dishonest act. Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. All suspected violations of academic integrity at The University of Texas at El Paso must be reported to the Office of Student Conduct and Conflict Resolution (OSCCR) for possible disciplinary action. To learn more, please visit HOOP: Student Conduct and Discipline.

XV. COURSE RESOURCES: Where you can go for assistance

UTEP provides a variety of student services and support:

Technology Resources
- **Help Desk**: Students experiencing technological challenges (email, Blackboard, software, etc.) can submit a ticket to the UTEP Helpdesk for assistance. Contact the Helpdesk via phone, email, chat, website, or in person if on campus.

Academic Resources
- **UTEP Library**: Access a wide range of resources including online, full-text access to thousands of journals and eBooks plus reference service and librarian assistance for enrolled students.
- **University Writing Center (UWC)**: Submit papers here for assistance with writing style and formatting, ask a tutor for help and explore other writing resources.
- **Math Tutoring Center (MaRCS)**: Ask a tutor for help and explore other available math resources.
- **History Tutoring Center (HTC)**: Receive assistance with writing history papers, get help from a tutor and explore other history resources.
- **RefWorks**: A bibliographic citation tool; check out the RefWorks tutorial and Fact Sheet and Quick-Start Guide.

Individual Resources
- **Military Student Success Center**: Assists personnel in any branch of service to reach their educational goals.
- **Center for Accommodations and Support Services**: Assists students with ADA-related accommodations for coursework, housing, and internships.
- **Counseling and Psychological Services**: Provides a variety of counseling services including individual, couples, and group sessions as well as career and disability assessments.