Instructor: Ben Diekhoff

Office: Bolin 126E

(940) 397-4191

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Office Hours: T 8:00 - 11 am, R 8:00 - 10:00 am

Course Description: Selected topics from computer and network security, including applications and operating system vulnerabilities, cryptography, computer forensics, web application weaknesses, malicious code attacks, intrusion detection, data protection, cyber warfare, user authentication, defensive programming, and ethical hacking.

Textbooks & Materials:
- *Cybersecurity & Cyberwar: What Everyone Needs to Know*, P.W. Singer & Allan Friedman (REQUIRED) – (under $15 on Amazon)
- *Computer Security: Principles & Practice*, 3rd edition, Stallings & Brown (recommended)
- Various videos

Grading – Grades will be posted in D2L for students to view.
60%	3 Exams
25%	Quizzes/Homework
15%	Project

Attendance: Because this is an online course, physical attendance is not required. However, the tradeoff is that the *FULL RESPONSIBILITY* of the course falls on the student. There are no lectures and discussions from which you take notes; YOU must read and study the textbooks. There is no class meeting in which the instructor repeatedly reminds you of deadlines and answers your questions; YOU must diligently watch the calendar and ensure that all work is uploaded on time. YOU are totally responsible for all deadlines for all assignments and all exams! There is NO flexibility here!

Additional and important information:

All students should refer to the current MSU Students Handbook and Activities Calendar for university policies related to class attendance, academic dishonesty, students responsibilities, rights and activities.

COVID: Students are encouraged to wear masks. Any vulnerable or unvaccinated person should wear an N95 or equivalent, if they want to protect themselves from others. Students may also meet with a professor via Zoom by appointment. Covid vaccinations are provided free of charge – and may be obtained on campus on designated vaccine clinic days or by appointment at the Vinson Health Center, or by local pharmacies.

Disability needs: Any student who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible. Students should present appropriate verification from Disability Support Office during the instructor's office hours. Please note instructors are not allowed to provide classroom accommodations to a student until appropriate verification has been provided. For additional information, contact the Disability Support Office in Clark Student Center 168 - Phone: (940) 397-4140

Student drops: If you wish to drop this course you must first contact your instructor. All students-initiated drops must be processed by **March 21, 2022.**

Midterm Progress Report: In order to help students keep track of their progress toward course objectives, the instructor for this class will provide a Midterm Progress Report for all students in the course through each student's WebWorld account. Midterm grades will not be reported on the students' transcript; nor will they be calculated in the cumulative GPA. They simply give students an idea of where they stand at the midpoint of the semester. Students earning below a C at the midway point should a) schedule a meeting with the professor and b) Seek out tutoring

Campus Carry: Senate Bill 11 passed by the 84th Texas Legislature allows licensed handgun holders to carry *concealed* handguns on campus, effective August 1, 2016. Please note, open carry of handguns, whether licensed or not, and the carrying of all other firearms, whether open or concealed, are prohibited on campus. Areas excluded from concealed carry are appropriately marked, in accordance with state law. For more information regarding campus carry, please refer to the University's webpage at MSU Campus Carry Policy https://msutexas.edu/campus-carry/rules-policies. If you have questions or concerns, please contact MSU Chief of Police Patrick Coggins at **patrick.coggins@msutexas.edu**.

Opt-out for Digital Course Materials: Required digital materials for this course are part of the Courseware Access and Affordability Program at MSU Texas. Students are charged for required course materials on their student account with the Business Office. Any students who wish to opt-out of the Program and purchase the required course materials on their own must do so prior to 01/27/21. Opt-out instructions are sent to students' official my.msutexas.edu email address after the first day of class. Please contact the MSU Bookstore if you have any questions about the opt-out process.

Assistance: Please contact your instructor for extra help during this course. This includes class material clarification, expected absences from class due to any personal problem, etc.

Assignments: It is assumed that because you chose to take the course online, you are also willing to assume total responsibility for all the work and the corresponding deadlines. An online course takes great discipline on the part of the student. Be sure that you are willing to shoulder this responsibility before proceeding. The instructor is available through email and by phone.

Testing Process

This course requires the use of LockDown Browser and a webcam for online exams. The webcam can be the type that's built into your computer or one that plugs in with a USB cable.

The Department of Computer Science has adopted the following policy related to testing:

- All bags, purses, electronics (turned off), books, etc. will be placed in the front of the room during exams, or in an area designated by the instructor.
- Unless otherwise announced by the instructor, nothing is allowed on the desk but pen/pencil/eraser and test papers.
- No student is allowed to leave the room during an exam and return

Computer Science Tutoring: Tutoring is available in *Bolin Room 119 & the Office of Tutoring and Academic Support Programs (TASP)* in Moffett Library. A tutor may assist with programs and homework for computer science classes. The tutor will not do your work.

Academic Misconduct Policy & Procedures: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individual's to whom credit is given). The Department of

Computer Science has adopted the following policy related to cheating (academic misconduct). The policy will be applied to all instances of cheating on assignments and exams as determined by the instructor of the course. (See below for link to MSU definitions.)

- 1st instance of cheating in a course: The student will be assigned a non-replaceable grade of zero for the assignment, project or exam. *If the resulting grade does not result in a letter grade reduction, the student will receive a one letter grade reduction in the course.*
- 2nd instance of cheating in a course: The student will receive a grade of F in course & immediately be removed from the course.
- All instances of cheating will be reported to the Department Chair and, in the case of graduate students, to the Department Graduate Coordinator.

Note: Letting a student look at your work is collusion and is academic misconduct!

See Also: MSU Student Handbook: Appendix E: Academic Misconduct Policy & Procedures

https://msutexas.edu/student-life/_assets/files/handbook.pdf.

Important Dates: Visit https://msutexas.edu/registrar/_assets/files/pdfs/spring22front.pdf

CMPS 3663 - Cybersecurity: Principles & Management – Spring 2022
Tentative Schedule

Weeks 1 – 5 ~ Jan 10 – Feb 11

Material
- Video
- Stallings/Lawrie – Chapter 1, Chapter 19
- Singer/Friedman – Part 1

Assignments
- Homework/Quizzes
- Exam ~ Friday, Feb 11

Weeks 6 – 10 ~ Feb 14 – Mar 18
Material
- Videos
- Stallings/Lawrie – Chapter 14, Chapter 15
- Singer/Friedman – Part 2

Assignments
- Homework/Quizzes
- Exam ~ Friday Mar 18

Weeks 11 – 16 ~ Mar 21 – April 29
Material
- Videos
- Stallings/Lawrie – Chapter 17
- Singer/Friedman – Part 3

Assignments
- Homework/Quizzes
- Exam – Friday, April 22
- Final Project

Final Exam – April 30 – May 5
- Exact Date and Location TBD