ITSY-1342-001IN-FA2021
Information Technology Security
Fall 2021
Internet Course – Online Only

Instructor Information: Paul Chance, pchance1@com.edu, 409-933-8367

Student hours and location: Monday: 1:00PM-1:30PM
                                       Wednesday: 11:00AM-1:30PM
                                       Thursday: 11:00AM-12:30PM, 1:30PM-4:30PM
                                       * Please check Blackboard announcements for updates

Required Textbook:

TestOut Security Pro
http://www.testout.com/courses/security-pro
ISBN: 978-1-935080-44-2

Course Description: Instruction in security for network computer hardware, software, virtualization, and data, including physical security; backup procedures; relevant tools; encryption; and protection from viruses. Topics may adapt to changes in industry practices.

Course requirements: Student will need to utilize the most currently supported version of the Microsoft Office suite to include Office 2010 or later. Student will need to have access to the Internet with a minimum bandwidth speed of 1MB/768KB (standard DSL or faster).

Determination of Course Grade/Detailed Grading Formula:

	#	Points	Total
Discussion Topics	6	30	180
Testout Simulations			340
Testout Practice Questions			780
Final Exam	1	200	200
Total			1500

Grading Scale:

A: Final Average of 1343-1500
B: Final Average of 1193-1342
C: Final Average of 1043-1192
D: Final Average of 893-1042
F: Final Average of 0-892

Late Work / Make-Up Policy: Late work will be accepted for one week after the due date with a points deduction of -20%. Assignments are then removed from Blackboard and a grade of 0 is assigned.

Attendance Policy: Students are expected to attend all lectures (online or on-ground) and labs (online or on-ground). Students not able to attend a session are required to notify the instructor no later than 2 hours prior to the start of the session. Students that miss more than 35% of the total session times will be considered for student referral and possibly being dropped from the course. Students will need to log into the Blackboard system at least 1 time per week.

Communicating with your instructor: ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means. (Faculty may add additional statement requiring monitoring and communication expectations via Blackboard or other LMS)

Student Learner Outcome	Maps to Core Objective	Assessed via this Assignment
Outline best practices for the information security goals of confidentiality, integrity and availability	Critical Thinking Skills	Online Lecture
Explain ethical practices	Communication Skills	Practice Quiz 3.7.5
Define vocabulary/terminology related to information security	Communication Skills	Online Lecture
Explain the importance of planning and administrative controls	Critical Thinking Skills	Practice Quiz 3.1.8
Identify security threats, vulnerabilities, and countermeasures	Critical Thinking Skills	Online Lecture
Identify procedures for security risk management	Critical Thinking Skills	Online Lecture

Academic Dishonesty: Any incident of academic policy will be dealt with in accordance with college policy and the Student Handbook. Academic dishonesty – such as cheating on exams is an extremely serious offense and will result in a **grade of zero** on that exam and the student will be referred to the Office of Student Conduct for the appropriate discipline action.

Student Concerns: If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact the Math Department Chair, Leslie Richardson, at lrichardson@com.edu or 409-933-8244.

Week	Lesson – Topic
1	1 – Introduction
2	2 – Threats, Attacks, and Vulnerabilities
3	3 – Physical
4/5	4 – Devices and Infrastructure
6/7	5 – Identity, Access, and Account Management
8	6 – Cryptography and PKI
9	7 – Wireless Threats
10	8 – Virtualization, Cloud Security, and Securing Mobile Devices
11	9 – Securing Data and Applications
12	11 - Security Assessments
13	12 - Incident Response, Forensics, and Recovery
14	13 - Risk Management
15	Final Exam Review
16	Final Exam

Institutional Policies and Guidelines

Grade Appeal Process: Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook.<https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf. *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.* https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf

Academic Success & Support Services: College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement: Any student with a documented disability needing academic accommodations is requested to contact Holly Bankston at 409-933-8520 or hbankston@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

Counseling Statement: Any student needing counseling services is requested to please contact Holly Bankston in the student success center at 409-933-8520 or hbankston@com.edu. Counseling services are available on campus in the student center for free and students can also email counseling@com.edu to set up their appointment. Appointments are strongly encouraged; however, some concerns may be addressed on a walk-in basis.

Textbook Purchasing Statement: A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy: Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1st 8-week session is October 6. The last date to withdraw from the 16-week session is November 19. The last date to withdraw for the 2nd 8-week session is December 2.

F_N Grading: The F_N grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The F_N grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the F_N grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an F_N grade.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

COVID-19 Statement: All students, faculty, and staff are expected to familiarize themselves with materials and information contained on the College of the Mainland's Coronavirus Information site at www.com.edu/coronavirus. In compliance with Governor Abbott's May 18 Executive Order, face coverings/masks will no longer be required on COM campus. Protocols and college signage are being updated. We will no longer enforce any COM protocol that requires face coverings. We continue to encourage all members of the COM community to distance when possible, use hygiene measures, and get vaccinated to protect against COVID-19. Please visit com.edu/coronavirus for future updates.