

Syllabus INFA-715

Instructor Information

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Biography: Certified Hacking Forensic Investigator (CHFI) July 2006 Certified Steganography Investigator August 2008 (CSI)

Course Description

Course title: Privacy, Fraud & Identity Theft
Course number: INFA-715
Course discipline: Computer and Information Science
Course description: A study of management techniques to prevent security and privacy breaches, fraud and identity theft. Overview of the importance of each area, laws and regulations to protect the information and critical assets and infrastructures from attack.
Course date: Tuesday, September 4, 2007 through Thursday, December 21, 2007
Location: TCB-109
Meeting day(s): 09/01/2009 12/17/2009 Lecture Tuesday, Thursday 09:30AM
Tuesday/Thursday
Meeting time(s): 9:30 AM - 10:45 AM

Course Objectives

Course goals: To present information on privacy issues and critical infrastructure protection. To give students a real world exposure to information asset protection issues and liabilities.

Policies

Introduction: ADA STATEMENT: If there is any student in this class who, due to a disability, has need for non-standard note taking, test taking, or other course modification, please contact the DSU ADA Coordinator, Keith Bundy, 256-5121, located in the lower level of the Trojan Center, as soon as possible. The web site for requesting accommodations is: http://www.departments.dsu.edu/disability_services/. Please be sure to fill out this form and be able to provide documentation verifying your disability.

Additional information: Academic Honesty : Cheating and other forms of academic dishonesty run contrary to the purpose of higher education and will not be tolerated in this course. All forms of academic dishonesty will result in course failure and referral to DSU Academic integrity board. Please be advised that, when the instructor suspects plagiarism, the Internet and other standard means of plagiarism detection will be used to resolve the instructor's concerns. DSU's policy on academic integrity (DSU Policy 04-05-00) is available online at <http://www.departments.dsu.edu/hr/newsite/policies/040500.htm> fFreedom in Learning Statement: Students are responsible for learning the content of any course of study in which they are enrolled. Under Board of Regents and University policy, student academic performance shall be evaluated solely on an academic basis and students should be free to take reasoned exception to the data or views offered in any course of study. It has always been the policy of Dakota State

University to allow students to appeal the decisions of faculty, administrative, and staff members and the decisions of institutional committees. Students who believe that an academic evaluation is unrelated to academic standards but is related instead to judgment of their personal opinion or conduct should contact the dean of the college which offers the class to initiate a review of the evaluation. Use of Tablets in the Classroom (formerly called the WMCI Statement): The Tablet PC platform has been adopted across the DSU campus for all students and faculty, and tablet usage has been integrated into all DSU classes to enhance the learning environment. Tablet usage for course-related activities, note taking, and research is allowed and encouraged by DSU instructors. However, inappropriate and distracting use will not be tolerated in the classroom. Instructors set policy for individual classes and are responsible for informing students of class-specific expectations relative to Tablet PC usage. Failure to follow the instructor's guidelines will hinder academic performance and may lead to disciplinary actions. Continued abuse may lead to increased tablet restrictions for the entire class. Because tablet technology is an integral part of this course, it is the student's responsibility to ensure that his/her Tablet PC is operational prior to the beginning of each class period. Students who are not participating in the Tablet PC leasing program will need to rent a Tablet PC from the library. The current fee structure for Tablet PC rental from the library is \$10 for a 2-hour period. For Internet Courses, only: Course Delivery: Students proceed through a course of study as directed and assisted by computer technology. Mastery is based on achieving competencies and benchmarks.

Course Outline

This class will involve current events and examples of recent hacks and scams. Students will be required to participate and present current research concerning class topics. Your information will make the class interesting.
 Chapter 1...Overview. Chapter 2..Ethich for IT Professionals Chapter 3...Computer & Internet Crime Chapter 4..Privacy Chapter ..Intellectual Property .. Employer/ Employee Issues A-H Text Chapter ..Port Scanners ..Windows Enumeration Tools .. Web Hacking ..Host Hardening ..Backdoors and Remote Access Tools ..Simple Source Auditting Tools .. Network Reconnaissance Tools .. Wireless Tools

Textbooks

Required reading:

Principles of Fraud Examination
 ISBN: 978-0-470-12883-1; Joseph Wells; Wiley 2008
50 Ways to Protect Your Identity and Your Credit
 ISBN: 978-0-13-146759-0 ; Steve Weisman; Pearson 2005

Recommended reading:

Ethics in Information Technology, George Reynolds, Course Technology, 2007, 978-1-4188-3631-3

Hacker's Challenge 3, Pollino, Pennington, Bradley, Dwivedi, McGraw-Hill Osborne, 2006, 0-07-226304-0

Instructional Methodologies

Constructive Learning:

Lecture and Discussion using D2L

Collaborative Learning:

This is a graduate level class so emphasis will be placed on discovery of information and class research. INSTRUCTIONAL METHODOLOGIES: Lecture, class demonstrations and discussions, out-of-class assignments (projects related to research design and data analysis). Use of the Internet will be necessary for some out-of-class assignments. In class participation is necessary and class discussion is expected to explore the different options that may be available. The instructor Web page will be the source of contact and will be the location for posting in-class assignments and homework questions. If any problems occur please contact the

bridge or instructor. Research Projects: Projects will be assigned throughout the semester. These projects are intended to help you understand the topics covered in lecture and to serve as a guide for your course learning. Information on these projects will be provided throughout the semester. NOTE: You will be expected to use descriptive and inferential analyses on the projects. You are also expected to come to this class with a background in computer systems. If you have a less-than-firm grasp on these concepts, you should carefully review the material in these chapters on your own. The Professor reserves the right to change or modify the course delivery method or content to fit current trends as necessary.

Assessments

Grading:

: Evaluation Methods: Proportion of Final Grade 4 exams (100 points each) and quizzes 50% Class and individual projects 25% Final Project 25% A [90, 100] B [80, 90] C [70, 80] D [60, 70) These percentages may be modified at the Professor's discretion.