Logistical Information
Instructor: Dr. Eric Turner
Classroom: DUQ 353
Class Time: Wednesdays 4:30 – 7:00 pm
Office: Duques 515A
Office Hours: By appointment Wednesday 7:00-8:00 pm
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Phone: 202-452-3093 (o) / 202-276-5386 (c)

Course Description
A comprehensive examination of the issues involved in computer security from the perspective of a designer, manager, and owner of business information systems. This course is designed to develop knowledge and skills necessary for the effective management of security for information and information systems within organizations. The course focuses on information system security concepts, methods, and policies from the design and planning stages to multi-level system implementation addressing the confidentiality, integrity, authentication, identification, and availability challenges of modern organizations. Students will gain an understanding of methods for assessing risk associated with accidental and intentional breaches of security, effective use of access controls, appropriate application of basic cryptographic techniques, and key processes for planning and managing application, network, and physical security including business continuity and disaster recovery planning. Hands-on exercises are provided to enhance familiarity with the practical application of security management processes.

Prerequisites
MSIST/MBA candidacy or permission from the ISTM Department Chair

Learning Objectives
Upon completing this course, the students will be able to

1. Design organizational policies for information security and privacy
2. Analyze information risks and choose optimal organizational responses
3. Create threat scenarios of potential vulnerabilities
4. Specify safeguards for computer-based information assets
5. Plan for incidence response and understand computer forensics
6. Plan and organize the information security and privacy function within an organization
7. Determine a planning process for business continuity and disaster recovery

Required Text

Software
Network and security tools will be provided, as needed.
**Lectures**
Students are expected to attend lectures and will be responsible for all material covered during the lectures. Lecture outlines will be posted on Blackboard. In the event of an unavoidable absence, it is the student’s responsibility to consult with classmates regarding any information that may have been missed from the lecture.

**Assignments**
There will be several homework assignments. They are designed to reinforce your understanding of the topics covered and involve contemporary issues. Everyone should independently do and turn in his/her own work. All assignments, unless otherwise stated, should be submitted electronically on Blackboard. Late assignments will not be accepted. If you are away and cannot attend class you are still required to submit your assignment on time.

**Research Project**
Students will have the opportunity to further sharpen their skills and acquire hands-on experience with information security issues through a group project. Students will form teams consisting of between 3 and 6 people depending upon the size of class. Details regarding the project will be made available on Blackboard. Each team will give a brief class presentation near the end of the semester on the project. The project deliverables will include the project report and presentation.

Please note that at the end of the semester you will be required to complete a confidential peer-evaluation form in which you will evaluate the contribution of each of your team members.

**Quizzes/Exams**
All quizzes and exams will be in-class and closed-book/notes.

**Grading**
Student grades will consist of the following elements as related to learning objectives:

**Assessment**
(25%) Homework Assignments and Quizzes; (Note: HW1-10%, HW2 and (2) Quizzes are 5% each)
(25%) Research Project;
(25%) Midterm Examination;
(25%) Final Examination.

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