Course Description

This course examines information security in the context of business and technology. The three primary control objectives: confidentiality, integrity and availability are explored. Organization structure with roles and responsibilities are learned. Risk management framework is discussed and reviewed. The creation of information security policies and selection of controls and countermeasures are emphasized. The business impact of recent security incidents is discussed.

Student Learning Objectives

Upon completion of Information Security Management, students are expected to:
1. Understand the fundamental principles of information security.
2. Understand the organization models and management principles.
3. Understand information risk management and methods to deploy this program.
4. Understand risk management models and network security methods.
5. Recognize the challenges unique to deploying information security measures.
6. Apply the concept principles in the student’s specific area of discipline.

Assignments

Student’s work will be assigned the following weights in arriving at a final grade. Class participation is expected:

- Assignment 1 – Create an Information Security Management business program charter – a comprehensive plan, for each team within the group, for either your company or a fictional company, to include an organization chart with identified roles and responsibilities for each key leader. (25%); and prepare a 10-15 minute informational presentation. (10%)
- Assignment 2 – Policy Creation – Create an overarching information security policy that encompasses the 12 Security Domains. (10%)
- Assignment 3 – Midterm Exam – Comprehensive test over all covered and assigned information. (15%)

Instructor

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• Assignment 4 – Develop a detailed procedure for one of the 12 Security Domains. This will build off of Assignment #1 and Assignment #2. (10%)
• Final Exam – Comprehensive test over second half material covered and assigned information. (30%)

Course Outline

<table>
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<tr>
<th>Meeting / Date</th>
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| I – 9/3        | ● Introductions  
                 ● Syllabus/Text  
                 ● Information Security Management System (ISMS) and program overview |
| II – 9/10      | ● Establish ISMS |
| III – 9/17     | ● Management Roles and Responsibilities |
| IV – 9/24      | ● **Assignment #1 Due**  
                 ● Organization of Information Security |
| V – 10/1       | ● Security Policy |
| VI – 10/8      | ● **Assignment #2 Due**  
                 ● Risk Management |
| VII - 10/15    | ● Asset Management/HR Security |
| VIII – 10/22   | ● Physical and Environmental Security |
| IX – 10/29     | ● **Assignment #3 - Midterm Exam** |
| X – 11/5       | ● Communications and Operations Security |
| XI – 11/12     | ● Access Control |
| XII – 11/19    | ● Information Security Incident Management |
| XIII – 12/3    | ● Assignment #4 block time |
| XIV – 12/10    | ● Compliance  
                 ● **Assignment #4 Due** |
| XV – 12/17     | ● **Final Exam** |