**COURSE SYLLABUS SEC400: Management of Information Security**

## Course Description

Students will learn about management perspectives and practices required for protecting information. The objective of the course is to get students to consider legal, ethical, and regulatory practices required of today’s managers. Risks to organizational assets are reviewed in order to better understand potential security threats to IT organizations and information systems. Prerequisite(s): SEC 210 and SEC320.

## General Course Information

|  |  |
| --- | --- |
| Number of Units/Weeks | 4/10 |
| #Hours Lecture/#Hours Laboratory/#Hours ELPs\* | 40/0/80 |
| Prerequisite(s) | SEC210 & SEC320 |
| Co-requisites (s) | None |
| Course Developer(s) | Neil Antis, MBA |
| Date Approved / Last Review | Feb 2018 |

**Learning Outcomes**

* Discuss the concept of information as an asset and management practices for protecting information.
* Discuss the principles of confidentiality, integrity, and availability.
* Describe potential risks and threats to organizational information systems.
* Outline the legal, ethical, and regulatory consideration of protecting data.
* Discuss the need for security measures in IT organizations and information systems.

## Instructional Methods Employed in this Course

* Lecture and reading assignments
* Discussion forums
* Practical application of theory and skills in authentic design projects
* Build on prior knowledge and experience of students to enhance richness of class activities.

## Information Resources for this Course: Textbook

Michael E. Whitman, Herbert J. Mattord, *Management of Information Security, Fifth Edition*. Cengage Learning, 2017, ISBN-13: 978-1-305-50125-6.ISBN-10: 0-7897-5127- 5

**Table/Topics & Assignments** Types of Assignments: Lecture -

Considered Lecture Hours

Classroom Discussion - Considered Lecture Hours

In Class Critique - Considered Lecture Hours

Delivering Oral Presentations - Considered Lecture Hours

In Class (IC) Exercise - Considered Lecture Hours

Reading -

Considered Enhanced Learning Project (ELP), work done outside of class

WebClass lesson (non-online courses) - Considered ELP, work done outside of class

Lab Work - Considered Lab Hours

Quiz, Midterm or Final - Considered Lecture Hours

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Week 1 | | | | | | |
| Type | Topic/Description | Lec  Time | Lab  Time | ELP  Time | Point  Value | Due |
| LEC 1A | Principles of  Information Security Management | 4 | - | - | - |  |
| HW 1A | Read Chapter 1. Evaluated by IC EX  3A | - | - | 3 | - |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| HW 1B | Assignment #1 | - | - | 1 | 30 | Week 2 |
| LEC 1B/PROJ 1A | Project 1 assigned:  Research Paper #1 | .5 | - | 10 | 100 | Week 5 |
| Total Week 1 |  | 4.5 | 0 | 15 | 30 |  |
| Week 2 | | | | | | |
| Type | Topic/Description | Lec  Time | Lab  Time | ELP  Time | Point  Value | Due |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| LEC 2A | Law & Ethics | 4 | - | - | - |  |
| HW 2A | Read Chapter 2. Evaluated by IC EX  2B | - | - | 2 | - |  |
| HW 2B | Assignment #2 |  |  | 1 | 30 | Week 3 |
| Total Week 2 |  | 4 | 0 | 3 | 30 |  |
| Week 3 | | | | | | |
| Type | Topic/Description | Lec  Time | Lab  Time | ELP  Time | Point  Value | Due |
| LEC 3A | Governance of Information Security | 4 | - | - | - |  |
| HW 3A | Read Chapter 3.  Evaluated by IC EX 3B | - | - | 2 | - |  |
| HW 3B | Assignment #3 | - | - | 1 | 30 | Week 4 |
| Total Week 3 |  | 4 | 0 | 3 | 30 |  |
| Week 4 |  |  |  |  |  |  |
| Type | Topic/Description | Lec  Time | Lab  Time | ELP  Time | Point  Value | Due |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| LEC 4A | Security Policies | 4 | - | - | - |  |
| HW 4A | Read Chapter 4.  Evaluated by IC EX 4B | - | - | 2 | - |  |
| HW 4B | Assignment #4 | - | - | 1 | 30 | Week 5 |
| Total Week 4 |  | 4 | 0 | 3 | 30 |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Week 5 | | | | | | |
| Type | Topic/Description | Lec  Time | Lab  Time | ELP  Time | Point  Value | Due |
| LEC 5A | Developing the  Security Program | 4 | - | - | - |  |
| HW 5A | Read Chapter 5. Evaluated by IC EX  5B | - | - | 2 | - |  |
| HW 5C | Review of Text  Readings (Chapter 1-6) | - | - | 6 | - |  |
| PROJ 1A | Research Paper #1 | - | - | - | 100 |  |
| Exam 5A | Midterm Exam  (Chapters 1-5) | 2 | - | - | 250 | Week 5 |
| Total Week 5 |  | 6 | 0 | 8 | 380 |  |
| Week 6 | | | | | | |
| Type | Topic/Description | Lec  Time | Lab  Time | ELP  Time | Point  Value | Due |
| LEC 6A | Risk Management | 4 | - | - | - |  |
| HW 6A | Read Chapter 6 & 7. Evaluated by IC EX  6B | - | - | 4 | - |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| HW 5B | Assignment #5 | - | - | 1 | 30 | Week 7 |
| LEC 6B/PROJ 2B | Project 2 assigned:  Research Paper #2 | .5 | - | 10 | 100 | Week 10 |
| Total Week 6 |  | 4.5 | 0 | 15 | 30 |  |
| Week 7 | | | | | | |
| Type | Topic/Description | Lec  Time | Lab  Time | ELP  Time | Point  Value | Due |
| LEC 7A | Access Control Models | 4 | - | - | - |  |
| HW 7A | Read Chapters 8 & 9. Evaluated by IC EX  7B | - | - | 4 | - |  |
| HW 7B | Assignment #6 | - | - | 2 | 30 | Week 8 |
| Total Week 7 |  | 4 | 0 | 6 | 30 |  |
| Week 8 | | | | | | |
| Type | Topic/Description | Lec  Time | Lab  Time | ELP  Time | Point  Value | Due |
| LEC 8A | Planning for  Contingencies | 4 | - | - | - |  |
| HW 8A | Read Chapter 10. Evaluated by IC EX  8B | - | - | 2 | - |  |
| HW 7B | Assignment #7 | - | - | 1 | 30 | Week 9 |
| Total Week 8 |  | 4 | 0 | 3 | 30 |  |
| Week 9 | | | | | | |
| Type | Topic/Description | Lec  Time | Lab  Time | ELP  Time | Point  Value | Due |
| LEC 9A | Personnel & Security | 4 | - | - | - |  |
| HW 9A | Read Chapter 11. Evaluated by IC EX 9B | - | - | 2 | - |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| HW 9B | Assignment #8 | - | - | 1 | 30 | Week 10 |
| Total Week 9 |  | 4 | - | 3 | 30 |  |
| Week 10 | | | | | | |
| Type | Topic/Description | Lec  Time | Lab  Time | ELP  Time | Point  Value | Due |
| Lecture 10A | Protection  Mechanisms | 4 | - | - | - |  |
| HW 10A | Read Chapter 12.  Evaluated by IC EX Final Exam | - | - | 2 | - |  |
| HW 10B | Review of Text  Readings (Chapter 1-12) | - | - | 12 | - |  |
| PROJ 2B | Research Paper #2 | - | - | - | 100 | Week 10 |
| Exam 10A | Final Exam | - | - | - | 250 |  |
| Total Week 10 |  | 4 | 0 | 14 | 350 |  |

Course Hours Summary

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Week | Topic | Lec  Time | Lab  Time | ELP  Time |
| 1 | Principles of Information Security Management | 4 | 0 | 15 |
| 2 | Law & Ethics | 4 | 0 | 3 |
| 3 | Governance of Information Security | 4 | 0 | 3 |
| 4 | Security Policies | 4 | 0 | 9 |
| 5 | Developing the Security Program | 4 | 0 | 8 |
| 6 | Risk Management | 4 | 0 | 15 |
| 7 | Access Control Models | 4 | 0 | 6 |
| 8 | Planning for Contingencies | 4 | 0 | 3 |
| 9 | Personnel & Security | 4 | 0 | 3 |
| 10 | Protection Mechanisms | 4 | 0 | 14 |
| Total |  | 40 | 0 | 79 |

Table/Point Breakdown

|  |  |  |  |
| --- | --- | --- | --- |
| Week | Assignment | Possible Points | Percent  of Grade |
| 2 | Assignment #1 | 30 | 3% |
| 3 | Assignment #2 | 30 | 3% |
| 4 | Assignment #3 | 30 | 3% |
| 5 | Assignment #4 | 30 | 3% |
| 5 | Research Paper #1 | 100 | 10% |
| 5 | Midterm | 250 | 25% |
| 6 | Assignment #5 | 30 | 3% |
| 7 | Assignment #6 | 30 | 3% |
| 8 | Assignment #7 | 30 | 3% |
| 9 | Assignment #8 | 30 | 3% |
| 10 | Research Paper #2 | 100 | 10% |
| 10 | Final | 250 | 25% |
| - | Discussion Threads | 60 | 6.0% |
| Total |  | 1000 | 100% |

# Your Grades for this Course

Your final grade for this course will be based on an assessment by the Instructor of your performance on a number of course activities, which may include objective tests, classroom exercises, laboratory demonstrations, project papers, or other types of activities. The chart below indicates in what activities you will engage, how many possible points can be earned for each activity, and the percentage of your final grade that will be accounted for by each activity.

Students in this course should be graded following Coleman University assessment practices and policies. A point system is used in the University to indicate student performance on various required activities or projects. For this course, it is recommended that points be distributed as follows: **Coleman University Grade Assignment Policy:**

|  |  |  |
| --- | --- | --- |
| **Percent** | **Letter**  **Grade** | **Grade Points** |
| 94-100 | A | 4 |
| 90-93 | A- | 3.67 |
| 87-89 | B+ | 3.33 |
| 84-86 | B | 3 |
| 80-83 | B- | 2.67 |
| 77-79 | C+ | 2.33 |
| 74-76 | C | 2 |
| 70-73 | C- | 1.67 |
| 67-69 | D+ | 1.33 |
| 64-66 | D | 1 |
| 60-63 | D- | 0.67 |
| N/A | INC | 0 |
| N/A | W | 0 |
| 60 or above | CR | 0 |
| 59 or below | NC | 0 |
| N/A | I | 0 |
| N/A | W | 0 |
| N/A | AU | 0 |
| N/A | TR | 0 |
| N/A | WV | 0 |

|  |  |
| --- | --- |
| **Le** | **end** |
| CR = Credit | NC = No Credit |
| I = Incomplete | W = Course Withdrawal |
| AU = Audit | TR = Transfer Credit |

WV = Waiver

# Academic Accommodation / Adjustment Policy:

In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA), Coleman University offers accommodations to students with documented physical, psychological, and/or cognitive disabilities. Coleman University will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to offer equal educational opportunities to qualified disabled individuals.

To qualify for an academic accommodation under ADA, the student must provide adequate documentation of a disability. Students seeking academic accommodations should contact the campus ADA Coordinator at 858-966-3953 or via email at [ada@coleman.edu.](mailto:ada@coleman.edu) The ADA Coordinator will review the documentation provided and verify ADA coverage. Students covered under ADA must meet with the ADA Coordinator at the beginning of every term to determine the appropriate academic accommodations. Failing to meet with the ADA Coordinator at the beginning of every term may impact the availability of accommodations.

After the academic accommodations have been determined, the students’ instructors will be notified by the ADA Coordinator. If any problems or concerns regarding the provision of accommodations occur, the student must inform the ADA Coordinator. If the student feels accommodation is not being made appropriately, the student may follow the published Student Grievance Procedures.