

INFORMATION SECURITY MANAGEMENT

MIS - 660

Fall Term 2010

Instructor: Joseph W. Popinski III, Ph. D.
CISSP CPP CISM CFE

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Room/Times: Tuesday, Room BAB223, 5:30 to 8:20 PM

After Class: Contact me by e-mail or office phone to arrange an appointment

Prerequisites:
Graduate standing at UAH & MIS-501

Resources:

Principles of Information Security, 3rd Ed., Whitman & Mattord, © 2008, Course Technology, ISBN 10: 1-4239-0177-0 (Required)

Information Security Management Handbook, 6th Ed., Tipton & Krause, © 2007, Auerbach, ISBN: 0-849-37495-2 (Required)

Publication Manual of the American Psychological Association, 5th Edition, ISBN: 1-55798-790-4 (hard cover), ISBN: 1-55798-790-2 (paperback), ISBN: 1-55798-810-2 (spiral bound) (Optional but recommended)

Course Objectives:

After completing the course, students will be able to:

- Grasp information security principles & apply them to real world situations
- Conduct research on selected information security topics
- Explain research both orally and in writing
- Prepare research papers, work in small teams, and present results
- Understand a broad range of information security related topics, and
- Apply this knowledge to business environments.

E-Mail:

All students should possess an UAH e-mail account. The UAH e-mail accounts will be the primary e-mail exchange between student and instructor. If you have any questions about the course or need assistance, please contact the instructor in person or by telephone during normal business hours; or by e-mail at any time.

Grading and Evaluation Criteria:

- In Class Participation - 15 %

- Participation means attending class, actively discussing issues in class, speaking up to voice and defend your opinion, volunteering as needed for class activities, working with your teammates, contributing to team projects, etc.
- Homework - 5 %
 - Assignments are **due on the date** in the syllabus each week. Credit will **not** be given for assignments turned after the due date. **Paper copy required.**
- One-Page Opinion Papers - 10 % (2.5 pts each)
 - There will be four (4) one-page opinion papers to be completed and turned in on the specified due dates. Credit will **not** be given for papers turned in after the due date. **Paper copy required.**
- Mid-Term Project Status Report - 20%
 - Each team member will earn the same grade for the mid term status report. The mid term project status report will be done **without computer aids of any type**. All team members will be asked to sign a **Teamwork Agreement**.
- Final Project Paper 25 %
 - Each team will prepare a final project paper based upon a topic submitted for approval. Each team member will earn the same grade for the final project paper. **Paper copy required.**
- Final Term Project Presentation 25 %
 - Each team will be required to present their Project Paper to the other class members. Each team member will earn the same grade for the final preso.
 - Handouts to support the presentation are not required but should be considered as a method to reinforce the presentation process.

Course Outline

	Topics	Assignments	Due Date	Notes
NO CLASS Aug 17				
Class 1 Aug 24	Administrativa Syllabus Review Team Self Selections Cha 1 – Intro to InfoSec	RQ: 2, 5 & 18 Ex: 5 Case: all	Aug 31	Begin thinking about your Course Research Project with your team mates.
Class 2 Aug 31	Cha 2 – Need for Security	RQ: 1,8, & 16 Ex: 3 Case: all	Sep 7	
Class 3 Sep 7	Cha 3 – Legal, Ethical and Professional Issues	RQ: 1, 9, & 20 Ex: 4 Case: all	Sep 21	Abstract of Course Project Due TONIGHT
NO CLASS Sep 14				
Class 4 Sep 21 Role Reversal Night #1	Cha 4 – Risk Management	RQ: 1, 12, & 16 Ex: 1 Case: all	Sep 28	“Training Your Employees...,” p 499, by Rebecca Harold, Due TODAY
Class 5 Sep 28	Cha 5 – Planning for Security	RQ: 5, 15, & 19 Ex: 3 Case: all	Oct 5	
Class 6 Oct 5	MID TERM STATUS REPORT PRESENTATIONS			“Bus Case for InfoSec...,” by Sanford Sherizen, p 625, Due TODAY
Class 7 Oct 12 Role Reversal Night #2	Cha 6 – FW & VPNs	RQ: 1, 10, & 20 Ex: 1 Case: all	Oct 19	
Class 8 Oct 19	Cha 7 – IDS, Access Controls	RQ: 2, 12, & 16 Ex: 5 Case: all	Oct 26	“Types of InfoSec Controls”, p 1357, by Hal Tipton, Due TODAY

Class 9 Oct 26	Cha 8 – Cryptography	RQ: 4, 8, & 19 Ex: 5 Case: all	Nov 2	
Class 10 Nov 2 Role Reversal Night #3	Cha 9 – Physical Security	RQ: 2, 4, & 20 Ex: 5 Case: all	Nov 9	“Computer Crime Investigation...” by Thomas Welch, p 2781, Due TODAY
Class 11 Nov 9	Cha 10 Implementing Information Security	RQ: 2, 6, & 14 Ex: 3 Case: all	Nov 16	
Class 12 Nov 16	Cha 11 – Security and Personnel	RQ: 1, 10, & 15 Ex: 4 Case: all	Nov 23	Hard copy of Research Paper Due TODAY
Class 13 Nov 23 Pizza Night	Cha 12 – InfoSec Maintenance	RQ: 8, 9, & 20 Ex: 5 Case: all	Nov 30	Project Paper Grading Sheet Due
Class 14 Nov 30	Final Team Presentations	Peer Grading		Final Preso Tonight

Course Projects (Research Paper, Mid-Term Status Report, Final Presentation, One-Pagers, Case Discussions, and Homework)

Purpose:

Your course research project deliverable(s) make up 70% of your grade (20% mid-term status presentation, 25% research paper & 25% final presentation). The research project's purpose is to demonstrate the student's understanding of concepts presented in this course, show his/her ability to research a current Information Security topic of their choice (with Instructor approval), enhance his/her ability to work within a small group/team, gather and analyze relevant data, and draw conclusions based upon the research. This process will be demonstrated in the form of two oral presentations and a formal research paper (**must be in APA format**).

Teamwork:

Each student is expected to contribute to his/her team's effort to meet the course requirements. Students who do not put forth a “good faith” effort as judged by the instructor, team members and class members may be penalized appropriately in their course grade.

Abstract:

The research project abstract, due the third week of course, will be a **100 word** (maximum) double-spaced typed single page summarizing your topic and its relevancy to information security management. Each topic must be approved by the instructor to ensure adequacy, relevancy and avoid duplication. Each team will submit their abstract as a team effort.

Research Paper Requirements:

All research papers will be prepared with Times New Roman Font, 12-pitch, double-spaced with one inch margins (sides, top & bottom). Page count should be **no more than 20 pages**, single-sided fastened together. **APA format must be followed.** All papers will include a cover page and a bibliography of at least **15 different sources**, of which, no more than 5 can be Internet sources. The cover page, table of contents and bibliography/references are **NOT** to be included in the page count requirement above.

Oral Presentations:

Oral presentations will be conducted on Oct 6th for the mid-term status report and on Nov 30th for the final research paper presentation during class. Presentations should no more than 10 minutes for the mid-term status report and no more than 20 minutes for the final research paper presentation. The Mid-Term Status Report will be delivered **without** any computer-based equipment (no laptops, no video projectors, no PowerPoint, etc.) **Manual presentation aids are required.** For the final presentation, if software other than MS PowerPoint is planned to be used, students must provide their own appropriate software and laptop. The sequence of team presentations, both mid-term and final, will be determined prior to the presentation date.

Project Grading Criteria:

Research papers will be graded on use of concepts presented in class, technical accuracy, research conclusions, explanation & focus, use of visuals & supporting material, organization and format. Presentations will be graded on student's ability to present facts stated in the research paper with clarity and understanding. Peer grading will be used for this course via a grading rubric (to be provided).

NOTE: Research Projects must be done in groups of two or three students. One grade for the project will be earned by all members of the group.

One-Pagers (4):

Each student will review four (4) short articles and prepare a maximum one-page **opinion** of what he/she read and learned. There is no right or wrong answer as you are to provide your clearly articulated **opinion** not a book report. Due dates/articles to be reviewed are listed in the course outline. These count along with homework assignments as 10% of your grade (2.5 % each). One-Pagers will **NOT** be accepted after the due dates in the course outline.

Homework:

Homework is assigned to assist the student in understanding the principles covered in the course. All homework is due on the dates listed in the syllabus. It is **highly recommended** that students do homework as assigned and submit it each week. No credit will be given for homework submitted past the due dates in the syllabus.

Case Discussions:

At the beginning of each class, a student will be randomly selected to give a **2 minute oral presentation** to the class providing a synopsis of the case study material in each chapter.

UAH Policies

Grading Scale:

The following scale is used to determine letter grades.

> or = 90%	A
80 to 89%	B
70 to 79%	C
60 to 69%	D
= or < 59%	F

Course Withdrawal:

UAH policies will be followed.

Academic Honesty Agreement:

By enrolling and continuing in this course, you affirm that you will not at any time be involved in cheating, plagiarism, fabrication, misrepresentation, or any other form of academic misconduct as outlined in the UAH Student Handbook while you are student in this course. You understand that violating this promise will result in penalties as severe as indefinite suspension from UAH. Your continued participation is an implicit acceptance of this agreement.

Class Attendance and Participation:

Students are expected to **ATTEND** and **ACTIVELY PARTICIPATE** in all classes in this course as outlined in the syllabus. If you are going to be absent, please notify the instructor as soon as possible, so make up arrangements can be made.

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