ISM 4323-002   SECURITY MANAGEMENT

Course #	ISM 4323-002 (3 credits)	**Term**	Fall 2011
Instructor	Lawrence Feidelman	**Phone**	561-297-2532
Office	FL 341A	**Email**	lfeidelm@fau.edu
Office Hours	Tuesday: 10:00-11:00 AM Thursday:5:45-6:45 PM Wednesday : 12:45 -1:45 pm	**Home page**	
Meeting Time	Thursday: 7:10-10:00 PM	**Meeting Location :GS 103**	

COURSE OVERVIEW

The Security Management course is designed for senior business and information students who want to learn the management aspects of information security. Without proper security management, security techniques are worthless. The goal is to provide a comprehensive overview of the multi-faceted, global, and interdisciplinary field of security management. It takes a "view from the top" and presents future managers need to know about information security. The material covered addresses the managerial aspects of information security for future managers. The pillars of security management-planning, polices, risk assessment, risk management, disaster recovery and personnel issues are considered in depth. Examples of information security issues and practices implemented in today's business environment are presented and skills reinforced as they are learned through hands-on activities and a real world case project. The course features numerous examples and case studies specific to security management, identifies specific security applications and examines the issues encountered within those areas.

COURSE OBJECTIVES

1. Demonstrate the ability to plan for the implementation of security procedures and technical controls for an information system
2. Develop a security policy for a specific company
3. Develop a security program for a specific company
4. Specify information assets, vulnerabilities and threats for given information companies
5. Develop a Vulnerability Risk worksheet for a given business
6. Describe the four risk controls that can be applied for information security

PREREQUISITES

ISM 4320(Information System Security)

REQUIRED TEXTBOOK

Management of Information Security, 3rd edition, Herbert Mattord, Michael Whitman, Cengage Technology,ISBN:13-9780619216276,

Microsoft PROJECT (supplied by FAU)
- Research Assistant (click on Research Assistant menu item on the Blackboard course)

GRADING

Exam # 1	23%
Team Project	24%
Project Presentation(individual)	6%
Current Security Topic Report/Presentation	10%
On-line quizzes (10)-1% each	10%
Final Exam	27%
Total	**100%**

Grading Structure

A = 93 –100	C+ = 77 – 79
A- = 90 - 92	C = 73 - 76
B+ = 87 - 89	C- = 70 - 72
B = 83 - 86	D+ = 67 - 69
B- = 80 - 82	D = 63 - 66
	D- = 60 - 62

GROUP/INDIVIDUAL ASSIGNMENTS/PROJECTS

Teams of 3 individuals will develop an information security policy for a real world company (e.g. bank, insurance, legal, hospital, university, etc). The project will be divided into four phases. At the start of each phase, I will provide the required phase information in Assignments. Each phase will be graded separately. Teamwork is critical. In this case, you will have the ability to select team membership and a real-world organization project by   September 8th. A formal written report is to be handed in by the stated due date in the syllabus. Each member of the team is expected to participate in the team project and present a specific aspect of the security policy. Member grades will depend upon the team grade and their participation.

Individual assignments are due by the next class unless otherwise specified. You should turn in an assignment by e-mailing the file attachment to the following address: lfeidelm@fau.edu. Be sure to put your name, assignment number, and course number in the e-

mail. No assignments will be accepted beyond one week after the due date. You will be graded in accordance with the number of assignments completed.

Current topic report will consist of three written pages on a current information security topic. As gathered via the, newspapers, technical journals, and the internet. These reports will be in a forum on the Discussion Board. Place name, course number and date on the report. The topic report will be presented in a fifteen minute talk to the class. You should inform me as to what topic you plan to cover in advance.

Topic of interest includes:

1. Real world security cases
2. Government laws
3. Private security firms
4. Security attacks
5. Hacking
6. Identity theft
7. building security
8. biometric authorization
9. firewalls
10. cryptography
11. internet security
12. disaster response

13. Social engineering

14. Terrorism

15. Business continuity

QUIZZES

There will be ten (10) on-line multiple choice quizzes, based upon the lecture and chapter readings, to be completed by Friday at 11pm.

EXAMS

There are two exams in this course as denoted in the course syllabus. Both exams will cover material from the Course Document section, textbook chapters, and discussions. Obviously, doing the reading assignments and awareness of the Blackboard material is necessary in order to achieve the maximum grade from the course. These exams may include multiple choice questions, fill in the blanks and essay type questions.

If you are unable to take the exam due to an emergency, you must inform me of that fact on or earlier than the day of the exam and arrange for a make-up exam before the graded exam is

<u>returned to the class</u>. If you require a make-up exam, you must document your excuse (e.g., a letter from a physician written on the physician's letterhead or a police report). . In no event will a make-up be given after the graded exam is returned to the class, which is usually by the end of the exam week.

INCOMPLETES

University policy states that an "I" may be given only if a student has a passing grade in the course. An incomplete is meant for students who are unable to complete the course due to severe hardships beyond their control. If an "I" is given, work must be completed within the time period specified by the instructor - a period not exceeding 12 months from the ending date of the course.

EXPECTATIONS

By registering for this course, you and I enter into a semester-long relationship, which is guided by both a set of expectations, and by official policies and course requirements. The expectations that guide our working relationship include the following:

You have the right to expect me to be knowledgeable in the subject area, to be prepared for each session, to be open to new ideas, to be fair in my assessment, to be respectful of you as an individual, and to be reasonably accessible outside of the classroom. In short, you can expect the following from me, the instructor:

- I will be prepared for every session
- I will grade your assignments promptly.
- I will be available for your questions and concerns

I expect you to take this course seriously and act honorably and professionally in your interactions with me and with other students in the course. I also expect you to take ownership of your responsibilities and to seek advice whenever you are in doubt. I expect you to treat this class as if it were an important job in your desired career. These expectations should provide enough guidance to get us through this course with minimal confusion or disappointment. In short, what I expect from you, the student, is the following:

- During the first week of the course, you will read this syllabus to understand how the course will proceed and what your contributions will be.
- You will read the required material each week.
- You will be prepared to *discuss, comment and participate* in each session.
- You will work with your team, providing all the required work on time.

This syllabus (including course requirements, due dates, etc.) may be changed with sufficient notice. If you have any type of disability that may require additional time or special consideration, please let me know at the **beginning** of the course.

ACADEMIC HONESTY & INAPPROPRIATE BEHAVIOR

Students at Florida Atlantic are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards because it interferes with the university mission to provide a high quality education. Cheating, plagiarism, copying, and unauthorized collaboration are unacceptable, and are subject to disciplinary actions, including, but not limited to, an "F" on the course, in accordance with the policies of FAU and the College of Business.

Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001 at http//www.fau.edu/regulations/chapter 4/4.001_Honor_Code.pdf.

Inappropriate behavior distracts other students and interferes with their learning experience. Inappropriate behavior may include arriving late, leaving early, talking, surfing the net, etc. Rude and inappropriate behavior will not be tolerated. Points will be deducted from the final grade of a student who chooses to repeatedly distract others. In particularly egregious cases, the student will be permanently removed from the class.

University policy states that cellular telephones, pagers, beepers and other personal communication devices must be disabled during class sessions.

INCOMPLETE GRADE

University policy states that an incomplete grade "I" may be given only if a student currently has a passing grade on the course. An incomplete is meant only for students who are unable to complete the course due to severe hardships, beyond their control. In any such situations, documentary evidence of such hardships will be needed before considering an "I" grade

OTHER REQUIREMENTS

COMPUTER AND INTERNET ACCESS

This course is Blackboard-assisted, and many activities, such as file distribution, emails, assignment submission, and announcements between classes, are taking place exclusively through Blackboard. In addition, some assignments need to be prepared on a word processor and printed out for submission. Therefore, students are expected to have access to computer, Internet, and Microsoft Office 2007 for this course. If you do not have your own, computers are available to all FAU students in the FAU Open Labs (http://www.ecs.fau.edu/labs/open/). In addition, if you need to transfer files between your home computer and the lab, you should furnish your own means, such as thumb drive (recommended), CD-ROM, or online storage.

E-MAILS

Students are required to have email account for this course, and it is your responsibility to ensure that your email address listed on Blackboard is the one that you check

regularly (you can always change it on Blackboard or set up auto forward or POP download if not). All course-related email should contain "ISM 3011" and your section time in the subject field. Include your name in the body of the message, since email addresses do not always identify the sender. Use proper salutations and signatures; use the same type of language and manners that you would use in a formal, business setting. Failure to use proper "Netiquette" may result in your e-mail being unanswered.

<u>DISABILITY</u>

In compliance with the Americans with Disabilities Act (ADA), students who require special accommodations to properly execute coursework due to a disability must register with the Office for Students with Disabilities (OSD) located in SU133 (297-3880) and follow all OSD procedures.

TENTATIVE CALENDAR

August 25 Course overview Introduction to the Management of Information Security----Chapter 1 .	September 1 Planning for Security—Chapter 2 TEAM AND CLIENT SELECTION	September 8 Planning for Contingencies---Chapter 3
September 15 Information Security Policy—Chapter 4	September 22 Developing the Security Program----Chapter 5 **PHASE I DUE**	**September 29** **EXAM #1**
October 6 **Security Management Models** **Chapter 6**	October 13 Security Management Practices Chapter 7	October 20 Risk Management: Identifying and Assessing Risk-Chapter 8 PHASE II DUE
October 27 Risk Management: Controlling Risk Chapter 9	November 3 Protection Mechanisms -Chapter 10	November 10 Personnel and Security—Chapter 11 **PHASE III**
November 17 Law and Ethics—Chapter 12 Cases in Security Management	December 1 **Project Presentations Phase IV due**	December 8 END TERM EXAM\