

SYLLABUS
IDS 403 – Information Security
Spring 2006
Call numbers: 23530 and 23531
Prerequisite: IDS 100 or its equivalent

Instructor: Jan Sunjaya

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Class Time: 03:00 P.M.– 03:50 P.M. Mon., Wed., and Fri.

Classroom: Room 208 Burnham Hall

Office Hours: 10:00 A.M. – 12:30 P.M. Friday

Course Description

This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features. The students will learn a balance introduction to both security management and technical components of Information Security; they will be exposed to the spectrum of Security activities, methods, methodologies, and procedures. This spectrum includes inspection and protection of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technical and managerial responses and an overview of the Information Security Planning functions.

Course Objectives

After completing the course, students will be able to:

- Identify and prioritize information assets.
- Identify and prioritize threats to information assets.
- Define an information security strategy and architecture.
- Plan for and respond to intruders in an information system
- Describe implications of security and privacy issues.
- Present a disaster recovery plan for recovery of information assets after an incident.

Attendance Policies

The Instructor expects your attendance at each and every class; however, actual attendance is up to the student. Grade performance is a demonstrated function of attendance, preparation and participation. You can get behind very easily by skipping classes, resulting in a poor understanding of the material, which will show up as a poor grade for the class. Any class sessions missed by the student are the student's responsibility to make up, not the instructor's. Late arrival that causes disruption, early departure that causes disruption, excessive conversation among students (a disruption in its own right), inappropriate use of electronic devices that cause disruptions, and other actions that disrupt the classroom are unacceptable.

Assignments

There will be three individual assignments and one term project. The term project is also an individual project; it is not a group project.

Quizzes

Quizzes will be given throughout the semester, at a rate of approximately 1 per two chapters. Quizzes will always cover the material covered since the last Quiz or Exam. The quizzes will be combinations of objective and short-answer questions. Makeup quizzes will not be given. However, the lowest quiz grade will be dropped. Any class material missed by the student is the student's responsibility to acquire.

Grading

Three assignments 15%

Letter Grades Determination (might be curved)

A: Total score 90% or above

Term project	15%	B: 80% <= Total score < 90%
Quizzes	15%	C: 70% <= Total score < 80%
One midterm	25%	D: 60% <= Total score < 70%
Final	30%	F: Total score < 60%

Total Score Calculation

Total score = $0.15 * (\text{Average of three assignments}) + 0.15 * \text{Project} + 0.15 * (\text{Average of quizzes}) + 0.25 * \text{Midterm} + 0.30 * \text{Final}$

Text

M. Whitman and H. Mattord. Principles of Information Security, 2nd Edition (Course Technology, 2005)
ISBN: 0-619-21625-5

Tentative outline (subject to change)

<u>Date</u>	<u>Subject</u>	<u>Reading Assignments</u>
Week 1	Introduction to Information Security	Chapter 1
Week 2	No classes on January 16: Martin Luther King, Jr. Day holiday. The Need for Security	Chapter 2
Week 3	Legal, Ethical, and Professional Issues	Chapter 3
Week 4	Risk Management	Chapter 4
Week 5	Planning for Security	Chapter 5
Week 6	Technology: Firewall and VPN	Chapter 6 and Lecture Notes
Week 7	Review Session on Monday and Wednesday, Midterm on Friday. Midterm will cover Chapter 1 to Chapter 6 plus lecture notes.	
Week 8	Technology: IDS and Access Control	Chapter 7 and Lecture Notes
Week 9	Cryptography	Chapter 8
Week 10	Term project discussion	Lecture notes
Week 11	Spring Break (March 20-24) - No classes	
Week 12	Term project discussion (continued)	Lecture notes
Week 13	Physical Security	Chapter 9
Week 14	Implementing Security	Chapter 10
Week 15	Security and Personnel	Chapters 11
Week 16	Security Maintenance, if time permits	Chapter 12
Week 17	Final Exam (covers chapters 7 to 12). Time and Place: TBA	

College of Business Administration
University of Illinois at Chicago

January 2003

Honor Code for the College of Business Administration

As an academic community the College of Business Administration at the University of Illinois at Chicago is committed to providing an environment in which teaching, learning, research, and scholarship can flourish and in which all endeavors are guided by academic and professional integrity. All members of the college community – students, faculty, staff, and administrators – share the responsibility of insuring that high standards of integrity are upheld so that such an environment exists.

In pursuit of these high ideas and standards of academic life, as a student I hereby commit myself to respect and uphold the University of Illinois at Chicago (UIC) College of Business Administration Honor Code during my entire matriculation at UIC. I agree to maintain the highest moral and ethical standards in all academic and business endeavors and to conduct myself honorably as a responsible member of the college academic community. This includes the following:

- Not to seek unfair advantage over other students, including, but not limited to giving or receiving unauthorized aid during completion of academic requirements;
- To represent fact and self truthfully at all times;
- To respect the property and personal rights of all members of the academic community.

An abbreviated version of the Honor Code pledge may be printed on course syllabi, exam booklets, and other uses as deemed appropriate. The abbreviated version is as follows:

This course and its associated coursework are being administered under the policies of the University of Illinois at Chicago (UIC) College of Business Administration Honor Code. All students are expected to respect and uphold this code.

Honor Code Violations and Enforcement

Violations of the Honor Code are just causes for discipline under the University of Illinois at Chicago Student Disciplinary Procedure, and all allegations of Honor Code violations shall be handled pursuant to that Procedure.

(For a complete description of just causes for discipline, disciplinary procedures, and sanctions, see the pamphlet “Student Disciplinary Procedure of the Senate Committee on Student Discipline,” available from the Office of the Dean of Students, SSB, Suite 3030, 1200 W. Harrison St., M/C 318.)

Honor Code Council

The Honor Code Council shall be formed consisting of two faculty members elected by faculty vote and six student members (two graduate students and four undergraduate students) appointed by the Assistant Dean for Student Services through recommendation of the Dean’s Advisory Council (DAC). Each member will serve a term of one academic year, beginning in August. The Council shall elect a chairperson and a secretary.

The duties of the Honor Code Council shall include:

- Recommend changes in the Honor Code.
- Inform all students, staff, and faculty of the Honor Code and the procedures to be followed for pursuing alleged Honor Code violations.
- Ensure that the Honor Code is prominently displayed within the College of Business Administration and on course syllabi and exam booklets.
- Ensure that the Honor Code and related information are accurately described in the Graduate and Undergraduate catalogs.
- Work with the Office of Student Services to include the Honor Code in its promotion of the University of Illinois at Chicago College of Business Administration to potential students.
- Work with college administration to ensure that the Honor Code statement is signed by all students prior to their enrollment in the college.
- Inform all UIC faculty, staff, and students of the Honor Code of the College of Business Administration, and encourage the adoption of its principles.