### MIS 7381 Management of Information Security Spring 2016: Tuesday 6-9PM Room: 114 MH

Professor: R. Cooper Office: MH 280B Phone: 713-743-4732

**E-mail:** rcooper@uh.edu (Rather than phone, e-mail is my preferred form of communication.)

**Office Hours** 

#### **Course Focus**

This course provides an introduction to the management of information security. Throughout the semester, we will be focusing on issues such as the following:

- Identifying and prioritizing the importance of security for an organization's information assets, considering profit, legal, and ethical issues.
- Identifying and prioritizing potential threats to an organization's information assets.
- Identifying models and techniques for managing and controlling an organization's information asset security
- Determining an effective information security strategy and architecture
- Planning for and responding to information system security incidents, including disaster recovery

#### **Required Textbook and Materials**

- Whitman, M.E. & Mattord, H.J. Management of Information Security, Fourth Edition, Course Technology, 2014, ISBN: 1-285-06229-9.
- Get copies of two Harvard cases: ChoicePoint (A): 9-306-001 and iPremier Co. (A): 9-601-114. The easiest way to get these is to put the following URL in your web browser:

https://cb.hbsp.harvard.edu/cbmp/import/ptos/32495443

You then need to register on the site to create a user name if you do not already have one. MAKE SURE THAT YOU REGISTER AS A **STUDENT**. You will have access to the two cases for 6 months. After you register, you can get to the cases at any time by doing the following:

- 1. Visit hbsp.harvard.edu and log in.
- 2. Click "My Coursepacks" and then click "Management of Information Security 2016"

#### **Course Grades**

A 90-100 B 80-89 C 70-79 D 60-69

## **Course Evaluation**

Assignments (30%) There are 3 assignments, each worth 10%. Assignments are due at the beginning of the assigned class. Feel free to email assignments to me if you cannot make it to class. Assignments that are turned in up to one week late will earn a maximum of ½ credit. Assignments more than one week late are not accepted.

Participation (15%) A significant amount of learning occurs during class presentations and discussions. Therefore,

students will receive a participation grade for each class meeting. Students who are absent will receive a zero for that class; students attending only a portion of a class period will receive a maximum participation grade equal to that portion. The two lowest grades will not be counted in determining the final participation grade.

Exam 1 (27%) You may bring notes on one  $8 \frac{1}{2} \times 11$  sheet of paper to the exam.

Exam 2 (28%) You may bring notes on one  $8\frac{1}{2}$  x 11 sheet of paper to the exam.

### Class Announcements/Assignments/Readings

Announcements, assignments, readings, etc. will be provided on the Blackboard Learn site for this class

#### **Accommodations for Students with Disabilities**

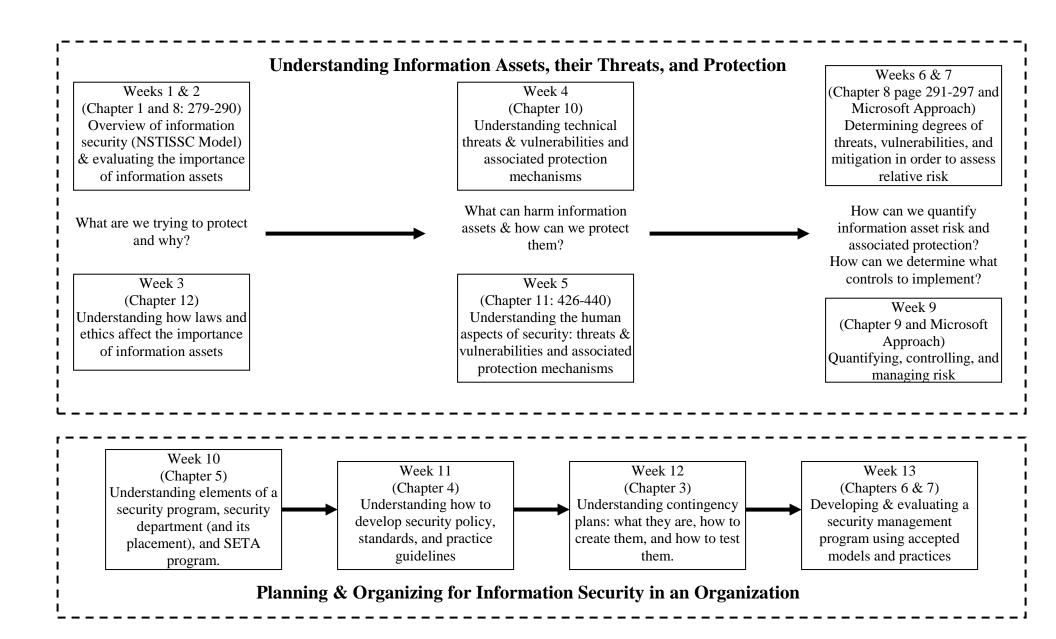
We would like to help students with disabilities achieve their highest potential in this class. To this end, in order to receive academic accommodations (e.g., for an exam), students must register with the Center for Students with Disabilities (CSD) (telephone 713-743-5400), at the beginning of the semester.

### **Professional Conduct and Academic Honesty**

All students are expected to conform to the Bauer Code of Ethics and Professional Conduct (see <a href="http://www.bauer.uh.edu/BCBE/BauerCode.htm">http://www.bauer.uh.edu/BCBE/BauerCode.htm</a>). In addition, the University of Houston Academic Honesty Policy is strictly enforced. No violations of this policy will be tolerated in this course. A discussion of the policy is included in the University of Houston Student Handbook at the following website: <a href="http://www.uh.edu/dos/hdbk/acad/achonpol.html">http://www.uh.edu/dos/hdbk/acad/achonpol.html</a> . Students are expected to be familiar with the Bauer Code and the University of Houston Academic Honesty Policy.

# **Tentative Schedule**

Doto	Class Tonia	Dead DDIOD To Class	Assignment (to be turned in at the
Date January 19	Class Topic Introduction: Overview of	Read PRIOR To Class	beginning of class)
January 19	Information Security	Chapter 1	
26	Identifying Important	• Chapter 8: pages 279- 290	
20	Information Assets	<ul> <li>Chapter 8: pages 279-290</li> <li>ChoicePoint(A), focusing on Information Asset</li> </ul>	
	information 7 issets	Identification	
February 2	Laws and Ethics and the	• Chapter 12	
	Importance of Information	ChoicePoint(A), focusing on Laws & Ethics	
	Assets		
9	Technical Threats & Protection	• Chapter 10	Assignment 1: CIAP
	Mechanisms	• The iPremier Company(A), focusing on Technical aspects	(See Blackboard)
16	Personnel-Related Threats	• Chapter 11: pages 426-440	
		ChoicePoint(A) and iPremier Company(A), focusing on	
		Personnel-Related Threats	
23	Assessing the Threats &	• Chapter 8: page 291-297	
	Riskiness of Information Assets	Microsoft Risk Prioritization Approach Summary	
		Handout (See readings in Blackboard)	
		HGA, focusing on Risk Prioritization (see readings in	
		Blackboard)	
March 1	Assessing the Threats &	Microsoft Cost-Benefit Analysis Assessment Summary	
	Riskiness of Information Assets	Handout (See readings in Blackboard)	
	D : 6 E	HGA Case, focusing on Cost-Benefit Analysis (see	
	Review for Exam	readings in Blackboard)	
March 8	Exam 1		
15	Spring Break!!		
22	Risk Control Strategies	• Chapter 9	Assignment 2: To Be Announced (see Blackboard)
29	Security Programs	• Chapter 5	
		Creation of a Hospital Information Security Department	
A:1 5	Cit D -1i	(see readings in Blackboard)	
April 5	Security Policy	• Chapter 4	
		Texas Information Security Policies (see readings in Blackboard)	
12	Contingency Planning	• Chapter 3	
		iPremier Company (A), focusing on Business Impact Analysis and Incident Response Plan	
19	Security Management Audit	• Chapters 6 & 7	Assignment 3: To Be
		• iPremier Company (A), focusing on metrics	Announced (see
26	Review for Exam  To Be Determined		Blackboard)
May 10	Exam 2		
6:00-9:00PM			



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# **Management of Information Systems Security**

Your grades will not be posted without your authorization. If authorized, the posting will be by the last 3 digits of your Student (PeopleSoft) ID. No names will be shown. In the event you do not want your grades posted, you may request your grades <u>in person</u> during office hours.

By signing either "yes" or "no" below, I (the student) affirm that I have read the syllabus and understand the policies and requirements of this course.

# We need a definite YES or NO answer:

YES - I want my grades posted	NO - I do NOT want my grades posted	
Printed Name	Printed Name	
Student ID Number	Student ID Number	
Signature	Signature	
Date	Date	
Please T  If you are currently working, where do you	Tell Me A Little About You work and what do you do?	
What is your formal (e.g., classroom) and in	nformal (e.g., hobby) background in information technology?	
Do you have any formal background in Info	ormation Security?	