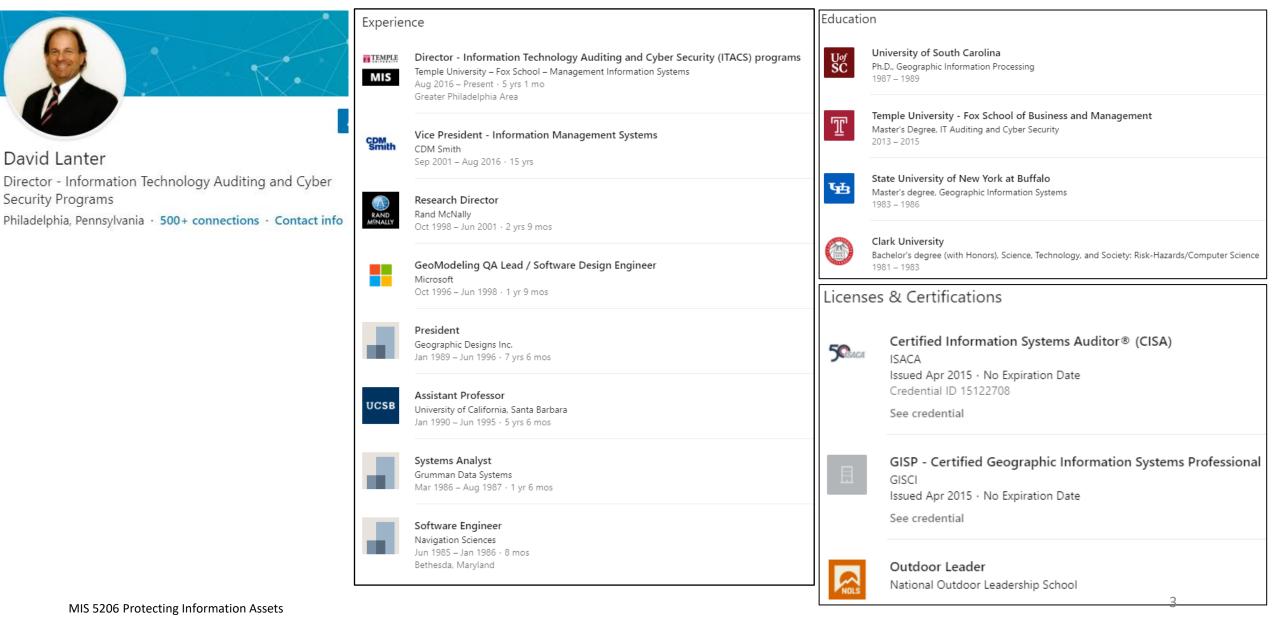
MIS5206 Protection of Information Assets Unit #1

Agenda

- Instructor
- Course objectives, Class topics and Schedule
- Textbook and Readings
- Grading
- Assignments
 - Readings
 - Answering questions
 - Case studies
- Participation
 - Comments
 - In the News
- Team Project
- Exams
- Quizzes
- Next

Instructor



Course objectives

In this course you will gain an understanding of how information assets are managed, in terms of logical, physical, and administrative information systems security controls along with disaster recovery and business continuity

Key subject areas covered in the course are:

- Information Security Risk Identification and Management
- Security Threats and Mitigation Strategies
- First half of the course, leading up to the mid-term exam, will focus on Information Security Risk Identification and Management
- Second half of the class will cover the details of security threats and the mitigation strategies used to mange risk

Course website and syllabus

MANA	GEMENT INFORMATION SYSTEM	EMS			ion of Inforr 5206.001 = Fall 2021	nation Assets David Lanter
HOMEPA		SYLLABUS	SCHEDULE	DELIVERABLES	GRADEBOOK	
	Welcome AUGUST 1, 2021 BY DAV	-				WEEKLY DISCUSSIONS
	ourse you will learn ke ntiality, integrity and av				-	 Unit o1: Understanding an Organization's Risk Environment (4)
the imp	ortance and key techn physical, and environn	iques for mana	ging the securi	ty of information a	ssets including	> Welcome (1)
identific	t half of the course, lea cation and managemer mitigation strategies t	nt. The second l	half of the class		ormation security risk ails of security threats	
Course	Objectives					
>	Gain an overview of t	he nature of inf	ormation secur	ity vulnerabilities a	and threats	
>	Learn how informatio	n security risks	are identified, (classified and prio	ritized	
	Develop an understa ontrolled	nding of how in	formation secu	irity risks are mana	aged, mitigated and	
	Gain experience work esentation	king as part of t	eam, <mark>d</mark> evelopin	ng and delivering a	a professional	
	Gain insight into certi	fication exams	and improve yo	our test taking skill	s	

MIS5206 Section 001 Syllabus

Page 1

MIS 5206 – Protection of Information Assets (3 Credit Hours) Fall 2021

Instructor

David Lanter Office: Speakman 209C and online via Zoom Office Hours: Thursday 10am – 11am and by appointment Email: <u>David.Lanter@temple.edu</u> e-profile: <u>http://community.mis.temple.edu/dlanter/</u> Class Format: In-Person Class Meetings: Thursdays 11:15AM – 1:45 PM Where: In-class: 1810 Liacouras Walk, Room 420 Website: <u>https://community.mis.temple.edu/mis5206sec001fall2021/</u> Canvas: <u>https://templeu.instructure.com/courses/98275</u>

Course Description

In this course you will learn key concepts and components necessary for protecting the confidentiality, integrity and availability (CIA) of information assets. You will gain an understanding of the importance and key techniques for managing the security of information assets including logical, physical, and environmental security along with disaster recovery and business continuity.

The first half of the course, leading up to the mid-term exam, will focus on Information Security Risk Identification and Management. The second half of the class will cover the details of security threats and the mitigation strategies used to manage risk.

Course Objectives

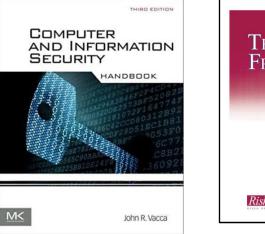
- 1. Gain an overview of information security vulnerabilities and threats
- 2. Learn how information security risks are identified, classified and prioritized
- 3. Develop an understanding of how information security risks are managed, mitigated and controlled
- 4. Gain experience working as part of team, developing and delivering a professional presentation
- 5. Gain insight into certification exams and improve your test taking skills

Class topics and schedule

Unit	Assignment Topics	Date
1	Introduction to MIS5206	Aug 26
1	Understanding an Organization's Risk Environment	Aug. 26
2	Case Study 1: Snowfall and a stolen laptop	Sont 2
2	Data Classification Process and Models	Sept. 2
3	Risk Evaluation	Sept. 9
	Class will not be held on September 16 th	Sept. 16
4	Case Study 2: Autopsy of a Data Breach: The Target Case	Sept. 23
5	Creating a Security Aware Organization	Sept. 24
6	Physical and Environmental Security	Sept. 30
7	Midterm Exam	Oct. 7
8	Case Study 3: A Hospital Catches the "Millennium Bug"	Oct. 14
9	Business Continuity and Disaster Recovery Planning	Oct. 21
10	Network Security	Oct. 28
11	Cryptography, Public Key Encryption and Digital Signatures	Nov. 4
12	Identity Management and Access Control	Nov.11
13	Computer Application Security	Nov. 18
15	Team Project Presentations	NOV. 10
14	Review	Dec.2
14	Team Project Presentations	Dec.2
	Final Exam	Dec. 9

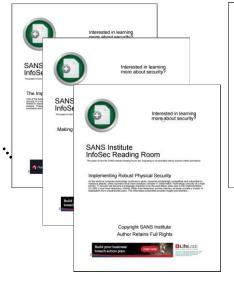
Class topics and schedule

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HOMEPAGE	INSTRUCTOR	SYLLABUS	SCHEDULE	DELIVERABLES		
Unit	#1: Und	derstar	First Half of the Second Half of		Unit #1: Understanding an Organization's Risk Environment	WEEKLY DISCUSSIONS
•	enizatio		Semester		Unit #2: Case Study 1 – Snowfall and stolen laptop	 Unit o1: Understanding an Organization's Risk Environment (4)
Read the	following:				Unit #2: Data Classification Process and Models	> Welcome (1)
 Vacca Chapter 1 "Information Security in the Modern Enterprise" Vacca Chapter 2 "Building a Secure Organization" NIST Reading 1: "Framework for Improving Critical Infrastructure ISACA "Risk IT Framework" pp. 1-42 			n Enterprise"	Unit #3: Risk Evaluation		
				Unit #4 Case #2: Autopsy of a Data Breach: The Target Case		
Due befor	re Week (Unit) 2:				Unit #5: Creating a Security Aware	
	your answers to #2 by the due da	-	-	n question(s	Organization	
 Unit #2 by the due date according to the Weekly Cycle schedul Post your answers to the case study questions in Canvas by the the Weekly Cycle schedule in the Syllabus page 7 				Unit #6: Physical and Environmental Security		
 Post 		on your fellow s	tudents' poste		e due date according	
 Post 					kly Cycle schedule in	

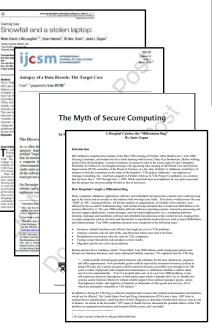


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Principles Process Details	
Management Guidelines Maturity Models	
+ISACA	Risk IT

	Business	er Recovery and Continuity Planning	\$
		n Organization's Plans F. Muxaji, CISA, CGA, CISSP	
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and choos are core has come to anfel- The question d	ITAudii)Ba	sics	
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theoretical name a the discharge of th	Search H. Simpleton, Ph.S.	What Every IT Auditor	Should Know About
The attacks on a	CORA, CORE, CORE, CPA, IN		STIDUIU KITOW ADDUL
the borrier of disa- rents of a perfect of	Information conterns dill at	Backup and Recovery	
artists they could be	the biseculty of Automa at Binatostan (25%) a Manhail		
As the caperies	E John unde dieder	All preities that use IT and data in their	suffers a pandemic event such as a first the
just incheology but	of the Foreign Accounting	operations have a need for a backag and recovery plan. The plan should enable the entity to recover	event would dotray the operational data and the backup data. Thus, the backup principle for
the recognition the	Program. Prior to adhering the decision is accounting or from	has and to mover computer operation	the message data. Units, the message principle for thorage is to provide a location that is at a sofe
through superior p positive, strategic a	decision is accurately from the interacts of Ministerics	from a loss of data. At the law end of need, the	distance from the entity's location. The cloud
inagh, teachu, sera	#54/or 1985, Singleton result	mility may experience a data loss to g., compand	astarantically provides this elevanet.
disaster, organizati	predident of a small, rake-	data) and skeply need to restore a backup of data. At the high and of need, the antity may	Additionally, management decald provide a text for noncoring the backup at least once a year
problems involve	abled date of according 6 piles retreampoints	experience loss of computer operations and	That not should be danamented, even if it is par-
campaigns, composi	Struktur in site a scholo-	most, from a pandemic overt (e.g., flue, flood,	a scrumshot showing the data restand.
otisis communicati	Investigation for IT and	toreads or barricand. Excition that have a blab risk manufing	COMPUTER OPERATIONS
building, ethics/an	and brensk accounting at	backage and recovery include, at least, these	The purpose of the computer operations piece a
thistopa strategy a	Car Rigol Agram, a large material willing an average	that soly beauty on IT and data to conduct	a backap and recovery plan is to recover from a
management, and a	tion in the authoration (2), it	business, operate solidy ordine to commerce) and operate 24/7. More than likely all Ferman	broad, adverse effect on the computer systems
ivalativezzy, contra	1998. No Hallante Society of	1,000 enterprises are at a high risk, however, a	of the entity if gave 13. This part of the plan is commonly called a husiness continuity plan
In the afternation	(7% and 10 Support to 1996, 1997) investigation for	small critity that uses catting-edge IT and whene	HCPs or character recovery plan (DRPS," The
began to build theo ing, restoring and r	Indexing loant Degree in	business processes are heavily reliase on IY is also	advorse everat could be systema related, such or
try placeurg that fo	the BAGA assistence advocate	at a high stak. This column amounts to cookin the transition	the failure of a real-thunse computer to operate, or it could be the rough of a torgenal disector, so
centers was firr from	al for Detersity of Alabama	of an effective backing and recovery plan and	as a fire that detireys some or all of the compon-
These plans did not	al Denington, the articles on based, U.N. IT auditing and IT	to provide seme gaidence for conducting as IT	spotence and data.
of Rey Institution pro-	generation have appointed in	sulk for backup and recovery	When a start of the second
nest. The roquices	namescolikators.	1473	Figura 1—Receivery Principles
lich-based and die	Do you have	Management should provide for a means to	Bortfly and rank critical applications. Counts a measuring team with roles and
stocesses has core	and a samething	back up relevant thrat on a regular hasis. The principle for regular data backage is to back	requirabilities. • Pravide a backup for all insertial components of
Basiness continu	to say about	are done dath. That backary could be to reach	
this soccess that the legatment alone, 1	this article? Visit The Journal	teg, tope or external hand drive), or it could	Pravite for ingular and effective testing of the plan.
to responsibility of	poper of the ISACA	he to a remote location via the cloud (i.e., the Internet). If an emergence is backing up to media.	Obviously, this plan is much reast involved
and frecome the sh	web tile avever assore	themsels a premipric is having up to media. the glassmart/smed principle scommends that	then simply ranking a backup of data and being
miles service manage	orgajusemail, find the article, and choose	backages be conducted to a different coolia for	able to restance it effectively when necessary. In this case, it may be recommendate to review everything
threatives in charge	the Comments tab to	and of work and end-of-month backage oble dails, workly and monthly set of backage is	about the information: computers, operating
FORMATION STA	share-your thoughts.	known as "granifictur-lather-sen").	systeme (COs), applications and data. Even
0.0000000000000	En almostile to the articles	The next concern is whether the backage	systems documentation and composite supplies could be involved.
	BLANKTICH	process is reliable. Therefore, upon using a new	The principles of descirating a NCNDRP
	100	hadap rathodology or achielegy, maraperant should provide a means to test the data alterward	include a map to identify the critical applications
	AND HAR FOR	to ensure that the process is actually recording all	and rask then in importance of operations. This
	國和加強	of the data cots the target backup-device.	his becomes strategically valuable if over needed is providing the recovery team with a likeptim
		Another concern is where the backup is stored. If it is stored omite and if the creits	of how to restore application of tware.



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Havy public, private, and register and publicly dis-	
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ndormation have selegant decision procedures and o	
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 Identify sensitive as data that pase a mile 	Standards for Security Categorization of Federal Information and Information Systems
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	Elsevier, Inc. ISBN: 978-0-12-803843-7 Available online at O'Reily for Higher Education
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ISACA	ISACA Reading 1: ISACA Risk IT Framework
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FGDC	FGDC Reading 1: "Guidelines for Providing Appropriate Access to Geospatial Data in
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Misc.	Case Study 3: " <u>A Hospital Catches the "Millennium Bug</u> "



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The Importance of Security Awareness Training

One of the best ways to make sure company employees will not make costly errors in regard to information security is to installia company was excurity-awareness training initiatives that include, but are not limited to classroom style training sessions, security awareness website(s), helpful hints via e-mail, or even posters. These methods can help ensure employees have a solid understanding of company security policy. cedure and best practices

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MobileIron	EMM Strategy on the right track?	TAKE THE ASS	ESSMENT
	Know your security risks.		



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Making Security Awareness Efforts Work for You



Build y breach

Interested in learning more about security?





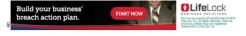
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Implementing Robust Physical Security

As the world of computer technology continues to grow, becomes increasingly competitive and vulnerable to mailcious attacks, every business must more seriously consider I1 (Information Technology) security as a high priority. IT security has become increasingly important worthe past filteen years due to the implementation of LANS (Local Area Networks), WANS (Wde Area Networks) and the Internet, all which provide a means of exploitation from unathorized users. The Information presented provides insight and direction...

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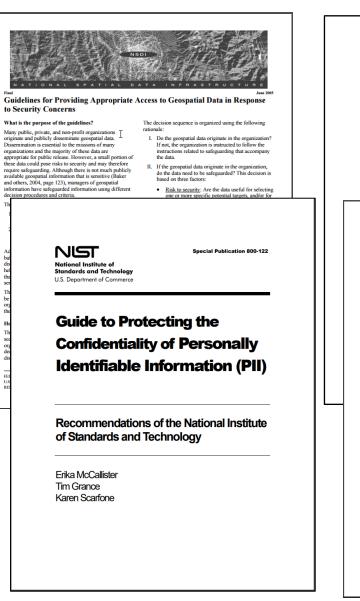






MIS 5206 Protecting Information Assets

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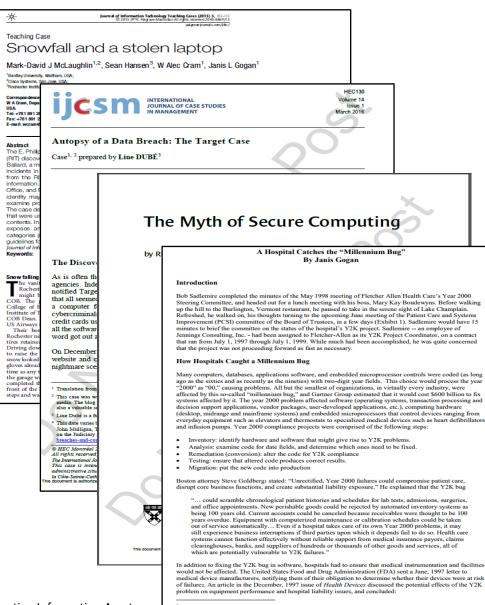


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Computer Security Division Information Technology Laboratory National Institute of Standards and Technology Gaithersburg, MD 20899-8900		
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U.S. DEPARTMENT OF COMMERCE Donald L. Evans, Secretary TECHNOLOGY ADMINISTRATION Phillip J. Bond, Under Secretary for Technology NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY Article L. Beneut, Jr., Director

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NIST	NIST Reading 1: "Framework for Improving Critical Infrastructure Cybersecurity"
	NIST Reading 2: "Guide to Protecting the Confidentiality of Personally Identifiable
	Information (PII)"
FGDC	FGDC Reading 1: "Guidelines for Providing Appropriate Access to Geospatial Data in
	Response to Security Concerns"
Harvard	2 case studies and 1 reading are available in the course pack for purchase from HBP:
Business	https://hbsp.harvard.edu/import/853285
Publishing	Case Study 1: "Snowfall and a Stolen Laptop"
(HBP)	Case Study 2: "Autopsy of a Data Breach: The Target Case"
	HBR Reading 1: "The Myth of Secure Computing (HBR OnPoint Enhanced Edition)"
Misc.	Case Study 3: " <u>A Hospital Catches the "Millennium Bug</u> "

. 2 The letter is posted at http://www.fda.gov/cdrh/yr2000.html.

Grading

ltem	Weight
Assignments	25%
Participation	25%
Team Project	25%
Exams	25%
	100%

1. Readings

	NIST Reading 2: "Guide to Protecting the Confidentiality of Personally Identifiable Information (PII)" S Vacca Chapter 25 "Security Management Systems"
Readings	 Vacca Chapter 34 "Risk Management" ISACA Reading 1: "Risk IT Framework" pp. 47-96
 Vacca Chapter 1 "Information Security in the Modern Enterprise" Vacca Chapter 2 " Building a Secure Organization" NIST Reading 1: "Framework for Improving Critical Infrastructure Cybersecurity" ISACA Risk IT Framework, pp. 1-42 	4 Case Study 2: "Autopsy of a Data Breach: The Target Case" 5 Vacca Chapter 27 (online) "Information Technology Security Management" • Vacca Chapter 33 "Security Education, Training and Awareness" • SANS Reading 1: "The Importance of Security Awareness Training" • SANS Reading 2: "Making Security Awareness Work for You" 6 • • HBR Reading 1: "The Myth of Security Essentials" • SANS Reading 3: "Implementing Robust Physical Security" 8 • • Case Study 2: "A Hospital Catches the "Millennium Bug"
 Case Study 1: "Snowfall and a Stolen Laptop" Vacca Chapter 24 "Information Security Essentials for IT Managers: Protecting Mission-Critical Systems" 	 9 Vacca Chapter 61 (online) "SAN Security"Vacca Chapter 62 "Storage Area Networking Security Devices" Vacca Chapter 36 "Disaster Recovery" Vacca Chapter 37 "Disaster Recovery Plans for Small and Medium businesses" ISACA Reading 2: "Disaster Recovery and Business Continuity Planning: Testing an Organization's Plans" ISACA Reading 3: "What Every IT Auditor Should Know About Backup and Recovery"
 FIPS Reading 1: Standards for Security Categorization of Federal Information and Information Systems" FGDC Reading 1: "Guidelines for Providing Appropriate Access to Geospatial Data in Response to Security Concerns" NIST Reading 2: "Guide to Protecting the Confidentiality of Personally Identifiable Information (PII)" 	10 • Vacca Chapter 8 "Guarding Against Network Intrusions" 10 • Vacca Chapter 13 "Internet Security" • Vacca Chapter 14 "The Botnet Problem" • Vacca Chapter 15 "Intranet Security" • Vacca Chapter 16 (online) "Local Area Network Security" • Vacca Chapter 72 "Intrusion Prevention and Detection Systems" 11 • Vacca Chapter 46 (online) "Data Encryption" • Vacca Chapter 47 "Satellite Encryption" • Vacca Chapter 48 "Public Key Infrastructure" • Vacca Chapter 51 "Instant-Messaging Security" • SANS Reading 4: "An Overview of Cryptographic Hash Functions and
	 Vacca Chapter 2 " Building a Secure Organization" NIST Reading 1: "Framework for Improving Critical Infrastructure Cybersecurity" ISACA Risk IT Framework, pp. 1-42 Case Study 1: "Snowfall and a Stolen Laptop" Vacca Chapter 24 "Information Security Essentials for IT Managers: Protecting Mission-Critical Systems" FIPS Reading 1: "Standards for Security Categorization of Federal Information and Information Systems" FGDC Reading 1: "Guidelines for Providing Appropriate Access to Geospatial Data in Response to Security Concerns" NIST Reading 2: "Guide to Protecting the Confidentiality of Personally

Readings

• Vacca Chapter 1 "Information Security in the Modern Enterprise"

NIST Reading 1: "Framework for Improving Critical Infrastructure

• Vacca Chapter 24 "Information Security Essentials for IT Managers:

• FIPS Reading 1: "Standards for Security Categorization of Federal

• FGDC Reading 1: "Guidelines for Providing Appropriate Access to Geospatial Data in Response to Security Concerns"

Vacca Chapter 2 " Building a Secure Organization"

ISACA Risk IT Framework, pp. 1-42
 Case Study 1: "Snowfall and a Stolen Laptop"

Protecting Mission-Critical Systems"

Information and Information Systems"

Cybersecurity"

Week

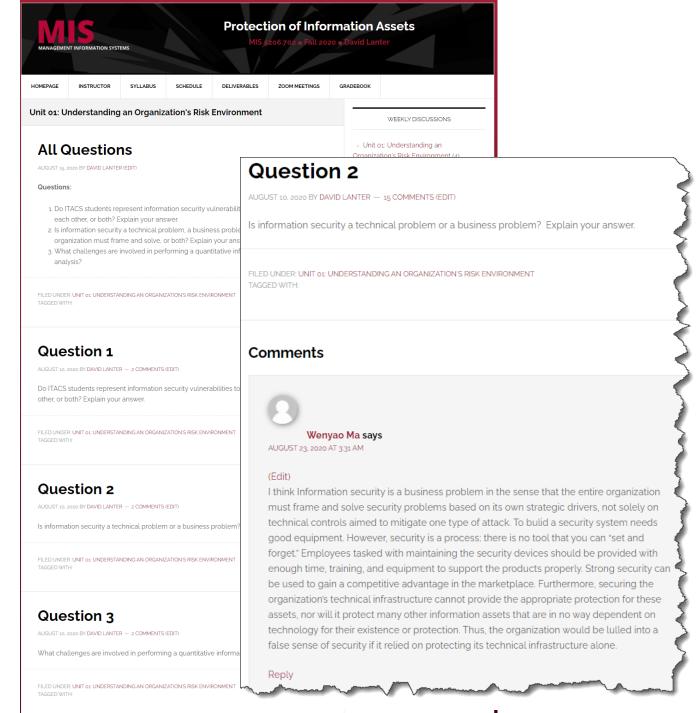
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2

2. Answer reading questions

Questions are posted on the MIS5214 class web site questions organized by Unit # for the readings. You are expected to post your answers to the questions as you complete each unit.

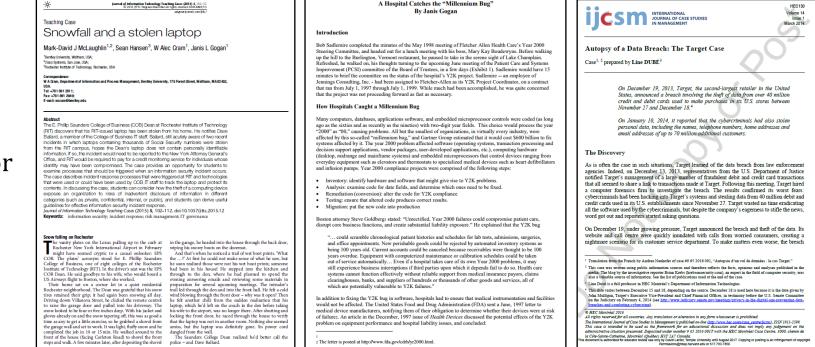
- A paragraph or two of thoughtful analysis is expected for your answer to each question
- *Post your answer to the class assignment blog*
- Come to class prepared to discuss all of the questions in detail when we meet



3. Three case studies

You will find discussion questions for each case study posted on the class web site).

Answer each question in depth as part of your individual preparation.

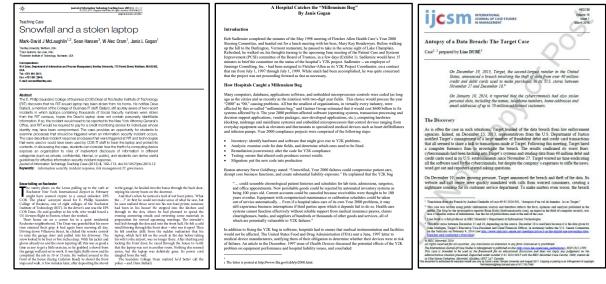


i. <u>Individual preparation</u> is done as homework assignments that will prepare you to contribute in group discussion meetings. It will prepare you to learn from what others say.

To fully benefit from the interchange of ideas about a case's problem, however, you must possess a good understanding of the facts of the case and have your own ideas.

Studying the case, doing your homework and answering the questions readies you to react to what others say. *This is how we learn*...

3. Three case studies (continued...)

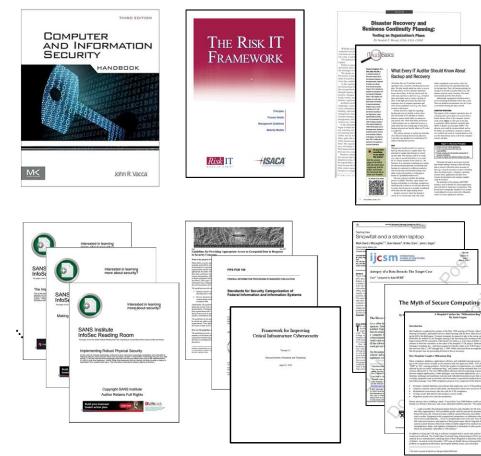


- <u>Group discussions</u> are informal sessions of give and take. Come with your own ideas and leave with better understanding. By combining your insights with those of the group you advance your own analysis.
 Discussions within small groups is also helpful for those uncomfortable talking in large classes to express their views and gain feedback.
- iii. <u>Class discussion</u> advances learning from the case, but does not necessarily solve the case. Rather it helps develop your understanding of why you need to gain more knowledge and learn concepts that provide the basis of your intellectual toolkit you develop in class and apply in practice.



- 1. Readings
- 2. Answers to questions

3. Case study analyses



1 Vacca Chapter 1 "Information Security in the Modern Enterprise" • Vacca Chapter 2 " Building a Secure Organization" NIST Reading 1: "Framework for Improving Critical Infrastructure Cybersecurity" ISACA Risk IT Framework, pp. 1-42 2 Case Study 1: "Snowfall and a Stolen Laptop" • Vacca Chapter 24 "Information Security Essentials for IT Managers: Protecting Mission-Critical Systems" FIPS Reading 1: "Standards for Security Categorization of Federal Information and Information Systems" FGDC Reading 1: "Guidelines for Providing Appropriate Access to Geospatial Data in Response to Security Concerns" NIST Reading 2: "Guide to Protecting the Confidentiality of Personally Identifiable Information (PII)" 3 Vacca Chapter 25 "Security Management Systems" Vacca Chapter 34 "Risk Management" • ISACA Reading 1: "Risk IT Framework" pp. 47-96 Case Study 2: "Autopsy of a Data Breach: The Target Case" 4 5 Vacca Chapter 27 (online) "Information Technology Security Management" Vacca Chapter 33 "Security Education, Training and Awareness" SANS Reading 1: "The Importance of Security Awareness Training" SANS Reading 2: "Making Security Awareness Work for You" HBR Reading 1: "The Myth of Security Computing" 6 Vacca Chapter 69 "Physical Security Essentials" SANS Reading 3: "Implementing Robust Physical Security" 8 Case Study 2: "A Hospital Catches the "Millennium Bug" 9 Vacca Chapter 61 (online) "SAN Security" Vacca Chapter 62 "Storage Area Networking Security Devices" Vacca Chapter 36 "Disaster Recovery" Vacca Chapter 37 "Disaster Recovery Plans for Small and Medium businesses' ISACA Reading 2: "Disaster Recovery and Business Continuity Planning: Testing an Organization's Plans" ISACA Reading 3: "What Every IT Auditor Should Know About Backup and Recovery" Vacca Chapter 8 "Guarding Against Network Intrusions" 10 Vacca Chapter 13 "Internet Security" Vacca Chapter 14 "The Botnet Problem" Vacca Chapter 15 "Intranet Security" Vacca Chapter 16 (online) "Local Area Network Security" Vacca Chapter 72 "Intrusion Prevention and Detection Systems" 11 Vacca Chapter 46 (online) "Data Encryption" Vacca Chapter 47 "Satellite Encryption" Vacca Chapter 48 "Public Key Infrastructure" Vacca Chapter 51 "Instant-Messaging Security" SANS Reading 4: "An Overview of Cryptographic Hash Functions and Their Uses" SANS Reading 5: "The Risks Involved with Open and Closed Public Key Infrastructure" 12 Vacca Chapter 71 "Online Identity and User Management Services" Vacca Chapter 52 "Online Privacy" Vacca Chapter 53 "Privacy-Enhancing Technologies" Vacca Chapter 59 "Identity Theft – First Part" Vacca Chapter 59 "Identity Theft – Second Part" 13 SANS Reading 6: "Assessing Vendor Application Security A Practical Way to Begin" SANS Reading 7: "Application Development Technology and Tools: Vulnerabilities and threat management with secure programming practices, a defense in-depth approach"

Readings

Unit #

Deliverables

MANAGEMEN	S T INFORMATION SYSTE	EMS		Protection MIS 5206.0	of Inform		
HOMEPAGE	INSTRUCTOR	SYLLABUS	SCHEDULE	DELIVERABLES GR/	DEBOOK		
				Weekly Deliverables	"In the News"	Articles	
"In the News" Articles			Case Studies	Answers to Rea Discussion Que		WEEKLY DISCUSSIONS	
Each week research, identify, write a summary an article y the Information Security arena. An ideal article would be to week.			Team Project	Discussion Que	estions	p1: Understanding an	
			ied memalically to the lo	Comments on Discussion Que Other Students	estion and	ation's Risk Environment (4)	
Post a link to the article and your summary of the article. Be prepared to discuss the article in class							
The deadline for posting can be found in the Weekly Cycle in the Syllabus.							

1. Comment on weekly discussion question answers and comments posted by other students

Read the responses of others to the discussion questions and contribute at least three (3) substantive posts that include your thoughtful comments as you participate in the discussion of the questions with your classmates

Comments



(Edit)

I think ITACS students and Temple University both present information security vulnerabilities to each other. Because information as intangiable asset minding a company's most valuable assets and modern threats are ubiquitous and dynamic; you can never be sure what might happen next. Moreover, In the modern Internet society, information security system is complex and difficult to control, and people's attitude towards information security is also annoying. So information security is easy to be ignored. I think both ITACS and Temple have information security problems, and whenever they find information security vulnerabilities, they should bring them up.

Reply

Priyanka Ranu says

(Edit)

Hi Wenyao,

I agree that ITACS students and Temple University both present information security vulnerabilities to each other. Everything is available easily online and we sometimes ignore security thinking its all taken care of and safe. But that's not the case and as you said information is an intangible asset and we can never be sure what will happen next. I believe there should be strict security measures at organizations to protect sensitive information. The first step can be to provide appropriate training to everyone involved so that they are aware as to what steps should be taken to mitigate the risks.

Reply

2. "In the News" articles



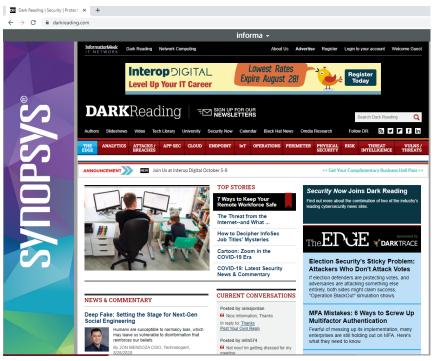
https://www.theregister.co.uk/security/ http://www.eweek.com/security https://www.computerworld.com/category/security/ https://krebsonsecurity.com/

:

Research article you found about a current event in the Information Security arena

Identify, write a summary, post a link to your summary, and be prepared to discuss in class

An ideal article would be tied thematically to the topic of the week. However, any article you find interesting and would like to share is welcome



3. During class



We will often begin a class with a discussion of your In The News article or answers to questions about assigned readings or the case study

When you are called on, you should summarize the key issues, opportunities, and challenges in the reading or question

Be prepared to answer all the assigned questions

Another important aspect of in-class participation is completion of in-class assignments and contribution to group and team activities

- 1. Comment & participate in discussions of questions on blog site
- 2. Research, summarize and discuss "In the News" article in class
- 3. Participate in discussions during class







(Edit)

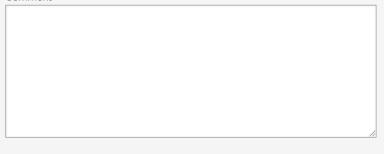
In my opinion, ITACS Students represent information security vulnerabilities to Temple University and to each other. The defects of information security vulnerabilities exist in various levels and links of the information system in different forms. A mobile phone or a computer a student owned could be the vulnerabilities for the entire school's information security, since student always connect to the university's network all the time. On the contrary, once school's information security system is breached, other students' information will be leaked due to the breach of the system. Therefore, weaknesses are mutual. It is important that both side need to increase their cybersecurity level by install anti-virus app, and don't open suspicious link. School upgrade their security system regularly. Both side make effort, will help a lot and reduce the existence of information security vulnerabilities.

Reply

Leave a Reply Cancel reply

Logged in as David Lanter. Log out?

Comment



POST COMMENT

Team project

- Students will be organized into presentation development and delivery teams
- Each team will be assigned a topic and will work together to develop a presentation covering the assigned topic
- During Units #13 and #14 each team will have 15 minutes to present their results of working on the topic, following by a brief session of questions and answers (Q&A) from the other teams
- Teams not presenting are responsible for asking thoughtful and insightful questions at the end of each presentation



Exams

There will be two exams, together these exams are weighted 25% of each student's final grade

Date	Exam
Oct. 7	Midterm
Dec. 9	Final

The exams will consist of multiple-choice, and possibly fill in the blank or short answer questions

The Midterm Exam will occur during Week #7 and the Final Exam will occur during finals week

The final exam will be cumulative, but more focused on the course materials since the beginning of the midterm exam

Expect important concepts highlighted in class to appear on both exams

Quizzes

- Quizzes typically conducted in-class interactively
- Quiz consists of practice exam questions
- Test taking tip provided before each quiz
- Grades for quizzes do not count towards your final grade
- Taking quizzes counts toward participation score
- Each quiz includes <u>additional</u> terminology, acronyms and material for you to research and study on your own

M	IS5206 Unit#2 Your Name
1.	When you send an e-mail message, the message goes directly to the person listed in the " To:" box.
	A. True B. False
2.	Junk e-mail, as in mass mailings, is annoying but harmless.
	A. True B. False
3.	The best way to avoid viruses is to not open unexpected e-mail attachments from unknown sources.
	A. True B. False
4.	Messages that appear more than once in your e-mail box may be more suspect of carrying a virus.
	A. True B. False
5.	Which of the following file types should never be opened?
	AEXE - Executable File BBAT - Batch Processing CVBS - VBScript Script File
	D. All of the above

Weekly Cycle

When	Actor	Task	Туре
Thursday	Instructor	Post reading questions	
Sunday 11:59 PM	Student	Post answers to reading questions	Assignment
Tuesday 11:59 PM	Student	Upload answers to case study questions to Canvas	Assignment
Tuesday 11:59 PM	Student	Post 3 comments to others' answers	Participation
Tuesday 11:59 PM	Student	Post "In the News" article	Participation
Thursday	All of Us	Class meeting	Participation
Thursday	Instructor	Post Wrap-up notes	

Week				
1 🗸	Introduc	ction to	MIS5206	1
	Underst	anding	an Organization's Risk Environment	2
	Case Stu	dv 1: Si	nowfall and a stolen lanton	
hand		Unit #	Readings	5
 Vacca Chapter 1 "Information Security in the Modern Enterprise Vacca Chapter 2 " Building a Secure Organization" NIST Reading 1: "Framework for Improving Critical Infrastructure Cybersecurity" ISACA Risk IT Framework, pp. 1-42 				
			• Laso Study 1 - "Spowfall grd Stolen Lant"	man

- 1. Do ITACS students represent information security vulnerabilities to the University, each other, or both? Explain the nature of the vulnerabilities
- 2. Is information security a technical problem, a business problem that the entire organization must frame and solve, or both? Explain your answer
- 3. What challenges are involved in performing a quantitative information security risk analysis?

Agenda

- ✓ Course objectives
- ✓ Instructor
- ✓ Class topics and schedule
- $\checkmark\,$ Textbook and readings
- ✓ Grading
- ✓ Assignments
 - ✓ Readings
 - ✓ Answering questions
 - ✓ Case studies
- ✓ Participation
- ✓ Team project
- ✓ Exams
- ✓ quizzes
- ✓ Next

Protecting Information Assets Week #1a