

IS 340 Information Assurance Fundamentals

Fall 2011 Syllabus

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TEXT: Bosworth, Kabay & Whyne (2009). *Computer Security Handbook, 5th Edition. Volume 1. Wiley (ISBN 0-471-71652-9).*

Week	Day	Date	TOPICS	Readings CSH5 Chapter...	QUIZ ON	Project Deadlines
1	Mon	29-Aug	Introduction to the course, research, SQ3R, CATA	SQ3R: On Writing: CATA		
	Wed	31-Aug	History and Mission of Information System Security & History of Computer Crime	1 & 2		
2	Mon	5-Sep	<i>LABOR DAY</i>			
	Wed	7-Sep	Parkerian Hexad & Common Language for Incidents	3 & 8	Wk 1	<i>topic for 500 wd></i>
3	Mon	12-Sep	Hardware & Data Comm	4, 5		
	Wed	14-Sep	History of Cryptography & Private-Key Cryptography	7	Wk 2	<i>submit 500 wd></i>
4	Mon	19-Sep	Public Key Cryptography & Recent Developments	7		
	Wed	21-Sep	IW & Penetrating computer systems and networks	14 & 15	Wk 3	<i>topic for essay1></i>
5	Mon	26-Sep	Malicious/Mobile Code	16 & 17		<i>>500 wd ret'd</i>
	Wed	28-Sep	Denial of Service & Social Engineering	18 & 19	Wk 4	
6	Mon	3-Oct	Spam, Phishing, Trojans & Web-based Vulnerabilities	20 & 21		<i>>mt memo questions</i>
	Wed	5-Oct	Physical & Facilities Security (1)	22	Wk 5	
7	Mon	10-Oct	Physical & Facilities Security (2)	23		<i>submit mt memos></i>
	Wed	12-Oct	Operating Systems Security & LANs	24 & 25	Wk 6	
8	Mon	17-Oct	Gateway Security Devices	26		
	Wed	19-Oct	Intrusion Detection & Intrusion Prevention	27	Wk 7	<i>submit essay1></i>
9	Mon	24-Oct	Identification & Authentication	28		<i>topic for essay2></i>
	Wed	26-Oct	E-Commerce Security	30	Wk 8	<i>mt memos ret'd</i>
10	Mon	31-Oct	Virtual Private Networks & Secure Remote Access	32		<i>>essay1 ret'd</i>
	Wed	2-Nov	Wireless Security & Securing VoIP	33 & 34	Wk 9	
11	Mon	7-Nov	Backups & Securing Stored Data	57 & 36		
	Wed	9-Nov	PKI / Certificate Authorities	37	Wk 10	
12	Mon	14-Nov	Writing Secure Code	38		
	Wed	16-Nov	Antivirus Technology	41	Wk 11	<i>>final memo questions</i>
13	Mon	21-Nov	<i>THANKSGIVING HOLIDAY</i>			
	Wed	23-Nov				
14	Mon	28-Nov	Mathematical Models of Computer Security	9		<i>submit essay2></i>
	Wed	30-Nov			Wk 12	
15	Mon	5-Dec	<i>Student Presentations</i>		Memos	<i>submit final memos></i>
	Wed	7-Dec				
16	Mon	12-Dec			Wk 14	

----- FINAL EXAM AVAILABLE DURING EXAM PERIOD USING SCANTRON SHEETS -----