

IA 340 Information Assurance Fundamentals								
Fall 2016 Syllabus / Webb 312 MW 15:00:03-16:14:57								
Prof M. E. Kabay, PhD, CISSP-ISSMP								
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TEXT: Bosworth, Kabay & Whyne (2014). <i>Computer Security Handbook</i> , 6th Edition. Volume 1. Wiley (ISBN 978-1118127063).								
Week	Day	Date	TOPICS	Readings: CSH5 Chapters...	QUIZ ON	Exams	Term Project Deadlines	
1	Mon	29-Aug	Introduction to the course, research, SQ3R, CATA	SQ3R: On Writing; CATA	Quizzes use NUoodle	<b>Symbols used below:</b> submit > > receive		
	Wed	31-Aug	History and Mission of Information System Security & History of Computer Crime	1 & 2				
2	Mon	5-Sep	<b>LABOR DAY</b>				<i>Think about what would be fun for you to study and report on</i>	
	Wed	7-Sep	Parkerian Hexad & Common Language for Incidents	3 & 8	Wk 1			
3	Mon	12-Sep	Hardware & Data Comm	4, 5	Wk 2			
	Wed	14-Sep	History of Cryptography & Secret-Key Cryptography	7				
4	Mon	19-Sep	Public-Key Cryptography & Recent Developments	7	Wk 3	> mt memo questions Wks 1-4		
	Wed	21-Sep	IW & Penetrating computer systems and networks	14 & 15				
5	Mon	26-Sep	Malicious & Mobile Code	16 & 17	Wk 4	> mt mc exam Wks 1-4		
	Wed	28-Sep	Denial of Service; Social Engineering; Spam, Phishing, & Trojans	18, 19 & 20				
6	Mon	3-Oct	Web-Based Vulnerabilities	21	Wk 5	mt memos >		topic for approval >
	Wed	5-Oct	Physical & Facilities Security	22 & 23				
7	Mon	10-Oct	Operating Systems Security & LANs	24 & 25	Wk 6			> 6 references
	Wed	12-Oct	Gateway Security Devices	26				
8	Mon	17-Oct	Intrusion Detection & Intrusion Prevention Devices	27	Wk 7	> memo-exam questions available Wks 5-8	> 1 page outline w/at least 10 references	
	Wed	19-Oct	Identification & Authentication; Biometric Authentication	28 & 29				
9	Mon	24-Oct	E-Commerce Security & Web Server Safeguards	30	Wk 8		finish first draft	
	Wed	26-Oct	Web Monitoring and Content Filtering	31				
10	Mon	31-Oct	VPNs & Secure Remote Access	32	Wk 9	memos 5-8 >	> 1st draft (minimum 2000 words)	
	Wed	2-Nov	Securing VoIP	34				
11	Mon	7-Nov	Data Backups & Archives	57	Wk 10	> memos 5-8 comments	comments on draft >	
	Wed	9-Nov	PKI & Certificate Authorities	37				
12	Mon	14-Nov	Writing Secure Code; SW Development & QA	38 & 39	Wk 11	> final memo questions available Wks 9-13	term project complete >	
	Wed	16-Nov	Antivirus Technology	41				
	Mon	21-Nov	<b>THANKSGIVING VACATION</b>					
	Wed	23-Nov	<b>THANKSGIVING VACATION</b>					
13	Mon	28-Nov	Protecting Digital Rights: Technical Approaches	42	Wk 12			
	Wed	30-Nov	Discussion of projects and exams					
14	Mon	5-Dec	<i>Student Presentations</i>		Wk 13	complete final memo exam & m/c exams	> term project comments	
	Wed	7-Dec						
15	Mon	12-Dec				final memos >		