

IA 340 Information Assurance Fundamentals

Fall 2017 Syllabus

Section B: 10:00:03 - 10:49:57 - Both in Dewey 106 - Section A: 15:00:03 - 15:49:57

MON & WED LECTURES; FRI - DISCUSSIONS. ATTENDANCE REQ'D ALL DAYS.

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TEXT: Bosworth, Kabay & Whyne (2014). *Computer Security Handbook, 6th Edition. Volume 1.* Wiley (ISBN 978-

Week	Day	Date	TOPICS	Readings: CSH6 Chapters... SQ3R; On Writing; CATA	QUIZ ON	Exams	Term Project Deadlines			
1	Mon	28-Aug	Introduction to the course, research, SQ3R, CATA	SQ3R; On Writing; CATA	Quizzes use NUoodle	Symbols used below: submit > > receive				
	Wed	30-Aug	History and Mission of Information System Security & History of Computer Crime	1 & 2						
	Fri	1-Sep	Videos & discussions							
2	Mon	4-Sep	LABOR DAY				<i>Think about what aspect of the IA340 topics would be fun for you to study in greater depth and report on -- discuss w/ prof if you wish</i>			
	Wed	6-Sep	Parkerian Hexad & Common Language for Incidents	3 & 8	Wk 1					
	Fri	8-Sep	Videos & discussions							
3	Mon	11-Sep	Hardware & Data Comm	4, 5	Wk 2					
	Wed	13-Sep	History of Cryptography & Secret-Key Cryptography	7						
	Sat		Videos & discussions							
4	Mon	18-Sep	Public-Key Cryptography & Recent Developments	7	Wk 3	> mt memo questions Wks 1-4				
	Wed	20-Sep	IW & Penetrating computer systems and networks	14 & 15						
	Fri	22-Sep	Videos & discussions							
5	Mon	25-Sep	Malicious & Mobile Code	16 & 17	Wk 4	> mt mc exam Wks 1-4				
	Wed	27-Sep	Denial of Service; Social Engineering; Spam, Phishing, & Trojans	18, 19 & 20						
	Fri	29-Sep	Videos & discussions							
6	Mon	2-Oct	Web-Based Vulnerabilities	21	Wk 5	mt memos Wks 1-4 >	topic for approval >			
	Wed	4-Oct	Physical & Facilities Security	22 & 23						
	Fri	6-Oct	Videos & discussions							
7	Mon	9-Oct	Operating Systems Security & LANs	24 & 25	Wk 6					
	Wed	11-Oct	Gateway Security Devices	26						
	Fri	13-Oct	Videos & discussions							
8	Mon	16-Oct	Intrusion Detection & Intrusion Prevention Devices	27	Wk 7	> memos 1-4 graded	> 1 page outline w/at least 10 references			
	Wed	18-Oct	Identification & Authentication; Biometric Authentication	28 & 29						
	Fri	20-Oct	Mid-semester break							
9	Mon	23-Oct	E-Commerce Security & Web Server Safeguards	30	Wk 8	> mt memos Wks 5-8	finish first draft			
	Wed	25-Oct	Web Monitoring and Content Filtering	31						
	Fri	27-Oct	Videos & discussions							
10	Mon	30-Oct	VPNs & Secure Remote Access	32	Wk 9		> 1st draft (minimum 2000 words)			
	Wed	1-Nov	Securing VoIP	34						
	Fri	3-Nov	Videos & discussions							
11	Mon	6-Nov	Data Backups & Archives	57	Wk 10	memos 5-8 >	comments on draft >			
	Wed	8-Nov	PKI & Certificate Authorities	37						
	Fri	10-Nov	Videos & discussions							
12	Mon	13-Nov	Writing Secure Code; SW Development & QA	38 & 39	Wk 11	> memos 5-8 graded > memos 9-12	finish project			
	Wed	15-Nov	Antivirus Technology	41						
	Fri	17-Nov	Videos & discussions							
	Mon	20-Nov	THANKSGIVING VACATION							
	Wed	22-Nov	THANKSGIVING VACATION							
	Fri	24-Nov	THANKSGIVING VACATION							
13	Mon	27-Nov	<i>Student Presentations (to be scheduled by prof)</i>			> final m/c exam	term paper (FRI 23:55) >			
	Wed	29-Nov								
	Fri	1-Dec								
14	Mon	4-Dec								Wk 12
	Wed	6-Dec								
	Fri	8-Dec								
15	Mon	11-Dec								
	Tue	12-Dec								