

IA 340 Information Assurance Fundamentals

Fall 2018 Syllabus

§A - 15:00-15:50 MACK 405

§B - 10:00-10:50 MACK 005

Prof M. E. Kabay, PhD, CISSP-ISSMP

Tel (802) 479-7937 / E-mail: mkabay@norwich.edu / Skype: mekabay / Facebook Messenger: Mich Kabay

TEXT: Bosworth, Kabay & Whyne (2014). *Computer Security Handbook, 6th Edition. Volume 1.* Wiley (ISBN 978-1118127063).

Week	Starts Monday	TOPICS	Assigned Readings: CSH6 Chapters	Quizzes close 23:55 Sunday	Exams	Term Project: Recommended Planning
1	27-Aug	Course Description, Syllabus, SQ3R, On Writing, Research, CATA, FCE, Word	Assigned Readings	9-Sep		<p><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></p> <p><i>Submit topic for approval via NUoodle</i></p>
		History & Mission of Information System Security	1			
		History of Computer Crime	2			
2	3-Sep	Parkerian Hexad	3	16-Sep		
		Common Language for Incidents	8			
3	10-Sep	Hardware	4	23-Sep		
		Data Communications	5			
		History of Cryptography & Secret-Key Cryptography	7 part 1			
4	17-Sep	Public-Key Cryptography & Recent Developments	7 part 2	30-Sep		
		Information Warfare	14			
		Penetrating computer systems & networks	15			
5	24-Sep	Malicious Code	16	7-Oct	Mid-term memo exam available online	
		Mobile Code	17			
		Denial of Service	18			
6	1-Oct	Social Engineering	19	14-Oct	Mid-term exams due 23:55 SUN 7 OCT 2018	
		Spam, Phishing, & Trojans	20			
		Web-Based Vulnerabilities	21			
7	8-Oct	Physical Security	22	21-Oct		
		Facilities Security	23			
		Operating Systems Security	24			
8	15-Oct	Local Area Networks	25	28-Oct		
		Gateway Security Devices	26			
		MID-SEMESTER BREAK				
9	22-Oct	Intrusion Detection & Intrusion Prevention Devices	27	4-Nov		
		Identification & Authentication	28			
		Biometric Authentication	29			
10	29-Oct	E-Commerce Security & Web Server Safeguards	30	11-Nov		
		Web Monitoring & Content Filtering	31			
		VPNs & Secure Remote Access	32			
11	5-Nov	Securing VoIP	34	18-Nov		
		Data Backups & Archives	57			
		PKI & Certificate Authorities	37			
12	12-Nov	Writing Secure Code	38	02-Dec	Final exams (memo & m/c) available online	
		Software Development & Quality Assurance	39			
		Antivirus Technology	41			
19-Nov		THANKSGIVING VACATION				
13	26-Nov	NO CLASSES -- Complete term paper, memo exam & m/c exam(s)		Submit term paper & memo exam by 23:55 ***SUNDAY 9 DEC 2018***		
14	3-Dec					