IA 340 – Information Assurance Fundamentals
Fall 2020 Syllabus
ENTIRELY ONLINE

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

Week	Starts Monday		TOPICS	Instructors	Assigned Readings: CSH6 Chapters	Quizzes close 23:55 SUN	Exams	Term Project: Recommended Planning
1	31-Aug	Mon	Course Description, Syllabus, SQ3R, On Writing, Research, CATA, FCE, Word	MK		20-Sep		*Think about what aspect of the IA340 topics would be fun for you to study in greater depth and report on -- discuss w/ profs if you wish*
	2-Sep	Wed	History & Mission of Information System Security	BOTH	1			
	4-Sep	Fri	History of Computer Crime	MK	2			
2	7-Sep	Mon	*LABOR DAY*					
	9-Sep	Wed	Parkerian Hexad	MK	3	20-Sep		
	11-Sep	Fri	Common Language for Incidents	DZ	8			
3	14-Sep	Mon	Hardware	MK	4			
	16-Sep	Wed	Data Communications	MK	5	27-Sep		
	18-Sep	Fri	History of Cryptography & Secret-Key Cryptography	MK	7 part 1			
4	21-Sep	Mon	Public-Key Cryptography & Recent Developments	MK	7 part 2			*Submit topic for approval via NUoodle*
	23-Sep	Wed	Information Warfare	MK	14	4-Oct		
	25-Sep	Fri	Penetrating computer systems & networks	DZ	15			
5	28-Sep	Mon		MK			*Mid-term memo exam available online - Weeks 1-5*	*Continue library / online research & use CATA for notes – don't hesistate to discuss topic with profs for ideas – use "On Writing" & "Frequently Corrected Errors" as guides for professional writing*
	30-Sep	Wed	Malicious Code & Mobile Code	MK	16 & 17	11-Oct		
	2-Oct	Fri		MK				
6	5-Oct	Mon	Denial of Service	DZ	18		*Mid-term multiple-choice (MC) exams open*	
	7-Oct	Wed	Social Engineering	DZ	19	18-Oct		
	9-Oct	Fri	Spam, Phishing, & Trojans	DZ	20			
7	12-Oct	Mon	Web-Based Vulnerabilities	DZ	21		*Mid-term MEMO and MC exams due 23:55 FRI 16 OCT 2020*	
	14-Oct	Wed	Physical Security	BOTH	22	25-Oct		
	16-Oct	Fri	Facilities Security	BOTH	23			
8	19-Oct	Mon	Operating-Systems Security	MK	24			
	21-Oct	Wed	Local-Area-Network Security	MK	25	1-Nov		
	23-Oct	Fri	Gateway Security Devices	MK	26			
9	26-Oct	Mon	Intrusion-Detection & Intrusion-Prevention Devices	DZ	27			*OPTIONAL: send draft to profs for suggestions by 23:55 SUN 8 NOV 2020*
	28-Oct	Wed	Identification & Authentication	DZ	28	8-Nov		
	30-Oct	Fri	Biometric Authentication	DZ	29			
10	2-Nov	Mon	E-Commerce Security & Web Server Safeguards	DZ	30			
	4-Nov	Wed	Web Monitoring & Content Filtering	DZ	31	15-Nov		
	6-Nov	Fri	VPNs & Secure Remote Access	MK	32			
11	9-Nov	Mon	Securing VoIP	DZ	34			*Final work on project*
	11-Nov	Wed	Data Backups & Archives	MK	57	22-Nov		
	13-Nov	Fri	PKI & Certificate Authorities	MK	37			
12	16-Nov	Mon	Writing Secure Code	MK	38		*Final exams (memo & m/c) available online*	
	18-Nov	Wed	Software Development & Quality Assurance	MK	39	29-Nov		
	20-Nov	Fri	Antivirus Technology	MK	41			
13	23-Nov	Mon	*COMPLETE TERM PROJECT REPORT & PREPARE PRESENTATION FOR UPLOAD*					
	25-Nov	Wed						
	27-Nov	Fri	*THANKSGIVING BREAK*					
14	30-Nov	Mon	*STUDENT PROJECT PRESENTATIONS POSTED TO NUOODLE WITH REQUIRED QUESTIONS & RESPONSES*				*Submit final memo exam by 23:55 ***SUNDAY 6 DEC****	
	2-Dec	Wed						
	4-Dec	Fri						
15	7-Dec	Mon	*SUBMIT TERM PROJECT BY 23:55 FRI 11 DEC – EXTRA POINTS FOR EVERY DAY EARLY*					
	9-Dec	Wed						
	11-Dec	Fri						