

IA 340 Information Assurance Fundamentals						
Summer III 2018 Syllabus						
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TEXT: Bosworth, Kabay & Whyne (2014). <i>Computer Security Handbook, 6th Edition. Volume 1.</i> Wiley (ISBN 978-1118127063).						
Week	Starts Monday	TOPICS	Assigned Readings: CSH6 Chapters	Quizzes close 23:55 Sunday	Exams	Term Project: Recommended Planning
1	28-May	Course Description, Syllabus, SQ3R, On Writing, Research, CATA, FCE, Word	Assigned Readings	10-Jun		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
		History and Mission of Information System Security	1			
		History of Computer Crime	2			
		Parkerian Hexad	3			
2	4-Jun	Common Language for Incidents	8	17-Jun		
		Hardware	4			
		Data Communications	5			
		History of Cryptography & Secret-Key Cryptography	7			
3	11-Jun	Public-Key Cryptography & Recent Developments	7	24-Jun		submit topic for approval
		Information Warfare	14			
		Penetrating computer systems and networks	15			
		Malicious Code	16			
4	18-Jun	Mobile Code	17	1-Jul		begin library / online research
		Denial of Service	18			
		Social Engineering	19			
		Spam, Phishing, & Trojans	20			
5	25-Jun	Web-Based Vulnerabilities	21	8-Jul	Mid-term exams due 23:55 SUN 1 JULY	prepare 1-page outline
		Physical Security	22			
		Facilities Security	23			
		Operating Systems Security	24			
6	2-Jul	Local Area Networks	25	15-Jul		begin writing draft
		Gateway Security Devices	26			
		Intrusion Detection & Intrusion Prevention Devices	27			
		Identification & Authentication	28			
7	9-Jul	Biometric Authentication	29	22-Jul		Submit draft for instructor suggestions
		E-Commerce Security & Web Server Safeguards	30			
		Web Monitoring and Content Filtering	31			
		VPNs & Secure Remote Access	32			
8	16-Jul	Securing VoIP	34	29-Jul		Submit term paper by 23:55 SUNDAY 29 JULY
		Data Backups & Archives	57			
		PKI & Certificate Authorities	37			
		Writing Secure Code	38			
9	23-Jul	Software Development & Quality Assurance	39	FINAL EXAMS DUE 23:55 FRI 3 AUG		
		Antivirus Technology	41			
10	30-Jul	Complete final exams				