

IA455 Contemporary Issues in Information Assurance						
Fall 2017 Syllabus / Webb 312 MWF 13:00:03-13:49:57						
Prof M. E. Kabay, PhD, CISSP-ISSMP						
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Wk	Day	Date	Topics	Class-leadership teams	Exam, Term Paper & In-class Presentation Deadlines	
1	Mon	28-Aug	INTRODUCTION TO COURSE	MK		
	Wed	30-Aug	RESOURCES			
	Fri	1-Sep	AWARENESS			
2	Mon	4-Sep	LABOR DAY			
	Wed	6-Sep	FRAUD	MK		
	Fri	8-Sep	DARKNET			
3	Mon	11-Sep	BREACHES	MK		<i>DISCUSS POSSIBLE TOPICS WITH INSTRUCTOR – NO DUPLICATES APPROVED, SO POST YOUR REQUEST PROMPTLY ON NUOODLE</i>
	Wed	13-Sep	LECTURE BY VISITING EXPERT	<i>Isaac Ben-Israel</i>		
	Fri	15-Sep	DATA LEAKAGE & BYOD	MK		
4	Mon	18-Sep	HACKERS & HACKS	Romano & Sullivan		<i>Project Topic Must be Approved via Nuoodle Upload</i>
	Wed	20-Sep	DATA LOSS PREVENTION	Johnston & Lockhart		
	Fri	22-Sep	AUTHENTICATION	Blum, Garcia & Sullivan		
5	Mon	25-Sep	VULNERABILITIES	Acheson, Blum & Garcia		<i>MT Memo-Exam Opens via Nuoodle Download at 00:05 MON 25 SEP – covers weeks 1-4 only</i>
	Wed	27-Sep	EXPLOITS & ZERO-DAY EXPLOITS	Gariboldi, Jackson & Jette		
	Fri	29-Sep	MITMA	Callahan & Harris		
6	Mon	2-Oct	MALWARE, ANTIMALWARE & RATS	Awasthi & Gariboldi	<i>MT Memo-Exam DUE via Nuoodle Upload deadline 23:55 FRI 6 OCT</i>	
	Wed	4-Oct	RANSOMWARE	Jette & Lockhart		
	Fri	6-Oct	CRYPTO & CRYPTO WARS	Harris & Salvas		
7	Mon	9-Oct	BOTS, BOTNETS & SPAM	Fox & Sheffel	<i>Work on Term Project – DON'T HESITATE TO DISCUSS RESEARCH/WRITING W/ INSTRUCTOR</i>	
	Wed	11-Oct	BACKDOORS & SECURE CODING	Acheson & DeSoto		
	Fri	13-Oct	INTRUSION DETECTION & INCIDENT RESPONSE	Mattrick & Pessolano		
8	Mon	16-Oct	DIGITAL FORENSICS	Danieli & Lighthall		
	Wed	18-Oct	PENETRATION TESTING	Romano & Shepardson		
	Fri	20-Oct	MID-SEMESTER BREAK			
9	Mon	23-Oct	INFOWAR	DeSoto & Jackson		
	Wed	25-Oct	CLOUD SECURITY	Little & Montgomery		
	Fri	27-Oct	IoT & SCADA/ICS	Awasthi & Fox		
10	Mon	30-Oct	CYBERLAW ISSUES	Danieli & Gibson	<i>Opt. Draft Review Open for Project Reports -- in person only in D209 or by Skype file- and screen-sharing; deadline for review is 16:00 THU 15 NOV</i>	
	Wed	1-Nov	PRIVACY	Gibson & Lighthall		
	Fri	3-Nov	HIPAA	Callahan & Johnston		
11	Mon	6-Nov	ADVANCED PERSISTENT THREATS (APTs)	Little, Mattrick & Pessolano		
	Wed	8-Nov	SECURITY INFORMATION & EVENT MGMT (SIEM)	Montgomery, Salvas, Sheffel & Shepardson		
	Fri	10-Nov	5GL WHITELISTING	MK		
12	Mon	13-Nov	RISK MANAGEMENT	MK		
	Wed	15-Nov				
	Fri	17-Nov				
13	Mon	20-Nov	THANKSGIVING BREAK		<i>Submit Term Project Report by 23:55 FRI 24 NOV</i>	
	Wed	22-Nov				
	Fri	24-Nov				
14	Mon	27-Nov	STUDENT RESEARCH-TOPIC PRESENTATIONS - SCHEDULE WILL BE POSTED BY PROF		<i>Final Essay Exam Closes by time to be defined by Registrar</i>	
	Wed	29-Nov				
	Fri	1-Dec				
15	Mon	4-Dec				
	Wed	6-Dec				
	Fri	8-Dec				
15	Mon	11-Dec				
	Tue	12-Dec				