

IA455 - Contemporary Issues in Information Assurance										
Fall 2020 Syllabus										
ENTIRELY ONLINE										
Mich Kabay, PhD, CISSP-ISSMP, Professor of Computer Information Systems										
Danielle Zeedick, EdD, CISM, CBCP, Professor of Information Security										
Wk	Day	Date	Topics	Class-leadership teams			DEADLINES			
1	Mon	31-Aug	INTRODUCTION TO COURSE	INSTRUCTORS			Students must submit their individual preferences for in-class lecture topics by interest on NUoodle. Instructors will optimize team compositions to take student interests into consideration. Students with no preferences stated will be assigned to teams at random.			
	Wed	2-Sep	RESOURCES & AWARENESS	MK						
	Fri	4-Sep	FRAUD & SOCIAL ENGINEERING	DZ						
2	Mon	7-Sep	LABOR DAY				Submit your in-class lecture topic interests by 23:55 FRI 11 SEP.			
	Wed	9-Sep	Planning session for in-class lectures & term papers			INSTRUCTORS				
3	Fri	11-Sep	INFOWAR (INFORMATION WARFARE)	MK			Teams for in-class lectures defined by instructors by 23:55 SUN 13 SEP.			
	Mon	14-Sep	DISINFORMATION (DISINFO)	DZ						
	Wed	16-Sep	PRIVACY & SURVEILLANCE	DZ						
4	Fri	18-Sep	MEDICAL-INFORMATION SECURITY	MK			Think about your desired term-project topics – may discuss with instructors.			
	Mon	21-Sep	VULNERABILITIES & PATCHES	INSTRUCTORS						
	Wed	23-Sep	EXPLOITS & ZDEs (ZERO-DAY EXPLOITS)							
5	Fri	25-Sep	MALWARE & ANTIMALWARE	Sanchez	Duval	Zuno	Term-research-project topic request must be submitted via NUoodle discussion section. Deadline 23:55 SUN 20 SEP.			
	Mon	28-Sep	RATs (REMOTE-ACCESS TROJANS)	Gautam	Allen	Marciano				
	Wed	30-Sep	RANSOMWARE	Broadbent	Tamburro	Arndt				
6	Fri	2-Oct	PIMA (PERSON IN THE MIDDLE ATTACK)	Patel	Duval	Waszak	MT Memo-Exam opens via NUoodle download at 00:00 MON 28 SEP – covers weeks 1-5 only.			
	Mon	5-Oct	BOTS & BOTNETS	Roberts	Le	Soto-Afante				
	Wed	7-Oct	DoS & DDoS (DENIAL OF SERVICE)	Alessi	Popeleski	Macias				
7	Fri	9-Oct	Spam (not SPAM™) & ROBOCALLS	Griffin	Bednarcha	Dickie	Work on MT Memo Exam – try one answer per day to get the best results and avoid stress.			
	Mon	12-Oct	BACKDOORS	Dowie	Sanchez	Willis				
	Wed	14-Oct	BREACHES	Wolfrum	Wright	Mulherin				
8	Fri	16-Oct	HACKERS & DARKNET	Zuno	Clark	Duval	MT Memo-Exam DUE via NUoodle Upload Deadline 23:55 SUN 11 OCT.			
	Mon	19-Oct	DATA LEAKAGE (not BYOD)	Gautam	Macias	Waszak				
	Wed	21-Oct	BYOD (BRING YOUR OWN DEVICE)	Sanchez	Willis	Zuno				
9	Fri	23-Oct	IoT (INTERNET OF THINGS)	Griffin	Olsen	Wolfrum	Work on Term Project – Don't delay. Encouraged to discuss research/writing with instructors.			
	Mon	26-Oct	SCADA/ICS	Dickie	Alessi	Allen				
	Wed	28-Oct	CLOUD SECURITY	Marciano	Broadbent	Clark				
10	Fri	30-Oct	CODE SECURITY	Popeleski	Dowie	Mulherin	Optional Draft-Review by instructors open for Project Reports by Skype file- and screen-sharing; deadline for review 15:00 FRI 13 NOV.			
	Mon	2-Nov	AUTHENTICATION	Arndt	Tamburro	Roberts				
	Wed	4-Nov	INTRUSION DETECTION & PREVENTION	Wright	Mulherin	Patel				
11	Fri	6-Nov	DATA-LOSS PREVENTION	Soto-Afante	Broadbent	Clark	Last assigned presentations by student teams.			
	Mon	9-Nov	INCIDENT RESPONSE	Baraw	Arndt	Olsen				
	Wed	11-Nov	PEN (PENETRATION) TESTING	Dowie	Marciano	Allen				
12	Fri	13-Nov	DIGITAL FORENSICS	Baraw	Bednarcha	Popeleski	Final Memo Exam Opens via NUoodle Download. at 00:00 THU 26 NOV - Covers Weeks 6-13.			
	Mon	16-Nov	CRYPTOLOGY	Griffin	Le	Alessi				
	Wed	18-Nov	CRYPTO WARS (POLITICS OF ENCRYPTION)	Macias	Roberts	Willis				
13	Fri	20-Nov	SIEM (SECURITY INFORMATION & EVENT MGMT)	Le	Wright	Tamburro	Extra-Credit work submissions close 23:55 SUN 29 NOV.			
	Mon	23-Nov	APTs (ADVANCED PERSISTENT THREATS)	Gautam	Dickie	Waszak				
	Wed	25-Nov	RISK MANAGEMENT	Wolfrum	Patel	Soto-Afante				
14	Fri	27-Nov	THANKSGIVING BREAK				Submit Term-Project Report by 23:55 SUN 6 DEC. Submit Final Memo-Exam Responses by 23:55 SUN 13 DEC.			
	Mon	30-Nov	WORK ON FINAL MEMO-EXAM, TERM-PROJECT REPORT & PROJECT PRESENTATION							
	Wed	2-Dec	PRESENTATION							
15	Fri	4-Dec	PRESENTATION				Watch & discuss student presentations. Discussions close 23:55 SUN 13 DEC.			
	Mon	7-Dec	STUDENT RESEARCH-TOPIC PRESENTATIONS - SCHEDULE WILL BE POSTED BY PROFS							
	Wed	9-Dec								
16	Fri	11-Dec								
	Mon	14-Dec	PROFS FINISH ALL GRADING GRADES DUE TO REGISTRAR BY NOON							
	Wed	16-Dec								
	Fri	18-Dec								