

Class number	Day	Date	General topic	Specific topic (tentative)	Required reading	Work due and exams	
1	Tue	1/22	password security	password-cracking lab			
2	Thu	1/24		password security	syllabus; CK ch1; Berry2012 (optional)		
3	Tue	1/29	information security basics		CNS ch4+7; CK ch2		
4	Thu	1/31	cyber war overview, part 1		CK ch1-4		
5	Tue	2/5	cryptography	symmetric key crypto	9algs ch4; CK ch5	hw1	
6	Thu	2/7		public key crypto	9algs ch4; CK ch6		
7	Tue	2/12		digital signatures	9algs ch9; CK ch6		
8	Thu	2/14		cryptography lab	CK ch7	hw2a	
9	Tue	2/19	cyber war overview, part 2		CK ch5-8	hw2b	
10	Thu	2/21	cyber power of states and terrorist organizations	theory of cyberpower	demchak		
11	Tue	2/26		[exam1]		exam1	
12	Thu	2/28		deterrence of cyber attacks	CNS ch13		
13	Tue	3/5	software vulnerabilities	cyber terrorism	CNS ch19; Conway cacm2011		
14	Thu	3/7		python injection, buffer overflows		hw3	
	Tue	3/12		spring break			
	Thu	3/14		spring break			
15	Tue	3/19		SQL injection, Cross-site scripting		paper1	
16	Thu	3/21		vulnerabilities lab		paper1	
17	Tue	3/26	cyber warfare	infrastructure	CNS ch5		
18	Thu	3/28		Ed Amoroso visit			
19	Tue	4/2		robotic warfare	Arkin	hw4	
20	Thu	4/4		[no class]			
21	Tue	4/9	computer security	operating system and file security			
22	Thu	4/11		network security		paper outline	
23	Tue	4/16		computer security lab			
24	Thu	4/18	other topics	cyber crime	CNS ch18; fallows (atlantic)	hw5	
25	Tue	4/23		International law issues	CNS ch22		
26	Thu	4/25		[exam2]		exam2	
27	Tue	4/30	revision; paper workshops				
28	Thu	5/2	revision; paper workshops				
	Mon	5/6	exam slot, 2pm			final paper	