

F25 CYB2200 (M)

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Week	Date	Topic	Files	Other Information
1	Aug 25 (M)	L1: Course Introduction	L1_slides Actions Preview Download Alternative formats	Handout: How to access free books online.pdf Actions Preview Download Alternative formats Reading assignment: Software assessment, chapters 1&2
1	Aug 27 (W)	L2: Basic security concepts	L2_Slides	
1	Aug 29 (F)	L3: C-style strings	L3_Slides	
2	Sep 1 (M)	Labor Day! No classes!		9/2 Deadline to add a class with permission.
2	Sep 3 (W)	L4: More C-style strings	L4_Slides	
2	Sep 5 (F)	Lab1: Input validation		
3	Sep 8 (M)	L5: Stack Buffer Overflow	L5_Slides	9/8 Deadline to drop a class without a W. Deadline to add a class with permission.
3	Sep 10 (W)	L6: Metacharacters	L6&7_slides	Reading: "Secure coding in C and C++", CH6 (formatted output) and CH5 (integer security)
3	Sep 12 (F)	Lab 2: Format string attack		
4	Sep 15 (M)	L7: Metacharacters part 2		
4	Sep 17 (W)	L8: Integer overflow	L8_slides	
4	Sep 19 (F)	Lab3: Integer overflow part 1		
5	Sep 22 (M)	L9: Integer errors	L9_slides	
5	Sep 24 (W)	L10: Presentation requirement		
5	Sep 26 (F)	Lab3: Integer overflow part 2		
6	Sep 29 (M)	L11: Integer Promotion	L11_slides	
6	Oct 1 (W)	L12: Integer errors examples	L12_slides	
6	Oct 3 (F)	Lab 4: Integer overflow part 2 Midterm exam review		
7	Oct 6 (M)	Presentations		
7	Oct 8 (W)	Presentations		
7	Oct 10 (F)	Presentations		
8	Oct 13 (M)	Midterm exam (Date still TBD)	In class, 50-min exam. Closed books/notes.	10/13-17 Midterm exam week
8	Oct 15 (W)	L13: Other C common problems	Slides	
8	Oct 17 (F)	TBD		

9	Oct 20 (M)	L14: Secure design principles	Slides	
9	Oct 22 (W)	L15: Code auditing and strategies	Slides	
9	Oct 24 (F)	Lab5: Code review		
10	Oct 27 (M)	L16: Code Auditing	Slides	
10	Oct 29 (W)	L17: Code Auditing part 2	Slides	
10	Oct 31 (F)	L18: Static vs Dynamic analysis Group discussion - presentation #2	L18_slides	Deadline to withdraw from a class!
11	Nov 3 (M)	L19: Binary analysis	L19_slides	
11	Nov 5 (W)	L20: Intel Assembly	L20_slides	
11	Nov 7 (F)	Lab6: Binary analysis		
12	Nov 10 (M)	L21: Assembly part 2	Slides	Spring registration opens this week.
12	Nov 12 (W)	L22: Software testing	Slides	
12	Nov 14 (F)	Lab7: Binary analysis (Password)		
13	Nov 17 (M)	L23: Software testing part 2		
13	Nov 19 (W)	SAT Presentation		
13	Nov 21 (F)	SAT Presentation		
14	Nov 24 -30	Fall recess!		
15	Dec 1 (M)	Presentation: GDB		
15	Dec 3 (W)	AFL	CYB220-Lab8-AFL.pptx	
15	Dec 5 (F)	Lab8-GDB		
16	Dec 8 (M)	Presentation: LibFuzzer		12/8-12 Fall no exam week.
16	Dec 10 (W)	Presentation: Ghidra		
16	Dec 12 (F)	Presentation: GCov		
17	Dec 15-19	Final exam week		