

PHY4324 Electromagnetism 2 Course Schedule. Subject to change as semester progresses.

Week	Day	Date	Lecture topic	Reading (Griffiths)	Assignments
1	Wed.	Jan. 5	Course Introduction	Canvas page	
	Fri.	Jan. 7	Electromotive force	7.1	
2	Mon.	Jan. 10	Electromotive force	7.1	
	Wed.	Jan. 12	Electromagnetic induction	7.2	
	Fri.	Jan. 14	Electromagnetic induction	7.2	
3	Mon.	Jan. 17	NO CLASS: Martin Luther King Jr. Day		
	Wed.	Jan. 19	Maxwell's equations	7.3	HW1 (7.1, 7.2)
	Fri.	Jan. 21	Maxwell's equations	7.3	
4	Mon.	Jan. 24	Charge and energy	8.1	
	Wed.	Jan. 26	Energy and momentum	8.1/8.2	
	Fri.	Jan. 28	Momentum	8.2	
5	Mon.	Jan. 31	Waves in 1 dimension	9.1	HW2 (7.3, 8.1, 8.2)
	Wed.	Feb. 2	Electromagnetic waves in vacuum	9.2	
	Fri.	Feb. 4	Exam 1 (Chapters 7 and 8)		
6	Mon.	Feb. 7	Electromagnetic waves in vacuum	9.2	
	Wed.	Feb. 9	Electromagnetic waves in vacuum	9.2	
	Fri.	Feb. 11	Electromagnetic waves in matter	9.3	
7	Mon.	Feb. 14	Electromagnetic waves in matter	9.3	HW 3 (9.1, 9.2)
	Wed.	Feb. 16	Electromagnetic waves in matter	9.3	
	Fri.	Feb. 18	Absorption and dispersion	9.4	
8	Mon.	Feb. 21	Absorption and dispersion	9.4	
	Wed.	Feb. 23	Absorption and dispersion	9.4	
	Fri.	Feb. 25	Guided waves	9.5	
9	Mon.	Feb. 28	Guided waves	9.5	HW 4 (9.3, 9.4)
	Wed.	Mar. 2	Guided waves	9.5	
	Fri.	Mar. 4	Potential formulation	10.1	
-	Mon.	Mar. 7	NO CLASS: SPRING BREAK		
	Wed.	Mar. 9	NO CLASS: SPRING BREAK		
	Fri.	Mar. 11	NO CLASS: SPRING BREAK		
10	Mon.	Mar. 14	Potential formulation	10.1	
	Wed.	Mar. 16	Continuous distributions	10.2	
	Fri.	Mar. 18	Exam 2 (Chapter 9)		
11	Mon.	Mar. 21	Continuous distributions	10.2	
	Wed.	Mar. 23	Continuous distributions	10.2	HW 5 (9.5, 10.1)
	Fri.	Mar. 25	Point charges	10.3	
12	Mon.	Mar. 28	Point charges	10.3	
	Wed.	Mar. 30	Dipole radiation	11.1	
	Fri.	Apr. 1	Dipole radiation	11.1	HW 6 (10.2, 10.3)
13	Mon.	Apr. 4	Exam 3 (Chapter 10)		
	Wed.	Apr. 6	Dipole radiation	11.1	
	Fri.	Apr. 8	Dipole radiation	11.1	
14	Mon.	Apr. 11	Point charges	11.2	HW 7 (11.1)
	Wed.	Apr. 13	Point charges	11.2	
	Fri.	Apr. 15	Point charges	11.2	
15	Mon.	Apr. 18	Point charges	11.2	
	Wed.	Apr. 20	Review for final / classes end		HW 8 (11.2)
	Thur.	Apr. 28	Final Exam 12:30-2:30pm		