Week	Weekly Reading	Class Meeting	Date	Lecture Notes	HW/Exams
1	GB Chap. 1–2 (p.1–18)	1	8/26	Lecture #1	
	"Plasmas" by Harold Grad (1969),	2	8/28	Lecture #1/#2	
	Physics Today **22**: 34-44	3	8/30	Lecture #2	
2	GB Chap. 3, Sec. 3.1-3.2 (p.23-30)	4	9/4	Lecture #3	
	BS Chap. 2, Sec. 2.1-2.3 (p.12–19)	5	9/6	Lecture #4	HW#1 due 9/6
3	GB Chap. 3, Sec, 3.3-3.4 (p.30–44)	6	9/9	Lecture #5	
	BS Chap. 2, Sec. 2.4–2.7 (p.19–28)	7	9/11	Lecture #5/#6	
		8	9/13	Lecture #6	HW#2 due 9/13
4	GB Chap. 3, Sec. 3.5 (p.44–46)	9	9/16	Lecture #7	
	GB Chap. 3, Sec. 3.8 (p.52–64)	10	9/18	Lecture #7/#8	
	BS Chap. 2, Sec. 2.8–2.11 (p.28–36)	11	9/20	Lecture #8	HW#3 due 9/20
	Sec. 16.0–16.1 from Numerical Recipes				
	Introduction to Matlab, by Kristian Sandberg				
5	GB Chap. 3, Sec. 3.6–3.7 (p.46–51)	12	9/23	Lecture #9	
	BS Chap. 2, Sec. 2.12–2.15 (p.37–43)	13	9/25	Lecture #9/#10	
		14	9/27	Lecture #10	HW#4 due 9/27
6	GB Chap. 5, Sec. 5.1–5.3 (p.148–157)	15	9/30	Lecture #11	
	BS Chap. 3, Sec. 3.1–3.2 (p.48–58)	16	10/2	Lecture #11/Review #1	
		17	10/4	Midterm #1 Review	HW#5 due 10/4
7	Review Lectures #1–11	18	10/9	No Lecture	
	Review HW #1–5	19	10/7	No Lecture	
		20	10/11	No Lecture	Midterm Exam #1
8	GB Chap. 5, Sec. 5.4 (p.157–167)	21	10/14	Lecture #12	
		22	10/16	Lecture #12/#13	
		23	10/18	Lecture #13	
9	GB Chap. 6, Sec. 6.1 (p.186–194)	24	10/21	Lecture #14	
	BS Chap. 3, Sec. 3.3–3.4 (p.58–70)	25	10/23	Lecture #14/#15	
	BS Chap. 3, Sec. 3.3–3.4 (p.58–70)	26	10/25	Lecture #15	
10	GB Chap. 6, Sec. 6.2–6.4 (p.194–206)	27	10/28	Lecture #16	
	BS Chap. 4, Sec. 4.1–4.2 (p.77–81)	28	10/30	Lecture #16/#17	
		29	11/1	Lecture #17	HW#6 due 11/1
11	GB Chap. 6, Sec. 6.5–6.6 (p.206–217)	30	11/4	Lecture #18	
	BS Chap. 4, Sec. 4.8 (p.130–132)	31	11/6	Lecture #18/#19	
		32	11/8	Lecture #19	HW#7 due 11/8
12	GB Chap. 7, Sec. 7.1–7.2 (p.221–239)	33	11/11	Lecture #20	
	BS Chap. 4, Sec. 4.3–4.4 (p.82–107)	34	11/13	Lecture #20/#21	
		35	11/15	Lecture #21	HW#8 due 11/15
13	Review Lectures #11–21	36	11/18	Midterm #2 Review	
	Review HW #6–8	37	11/20	Lecture #22	
		38	11/22	No Lecture	Midterm #2
14	GB Chap. 4, Sec. 4.1–4.3 (p.87–105)	39	12/2	Lecture #22/#23	
	BS Chap. 6, Sec. 6.1–6.3.1 (p.197–210)	40	12/4	Lecture #23	
		41	12/6	Lecture #24	HW#9 due 12/6
15	GB Chap. 5, Sec. 5.5 (p.167–173)	42	12/9	Lecture #24/#25	
	BS Chap. 1, Sec. 1.1–1.2 (p.1–6)	43	12/11	No Lecture	
		44	12/13	No Lecture	HW#10 due 12/13
	Finals Week, 12/16–12/20			Final Exam TBD	

Textbooks:
Required: **GB**=Gurnett & Bhattacharjee (2017) *Introduction to Plasma Physics: With Space and Laboratory Applications*
Optional: **BS**=Boyd & Sanderson (2003) *The Physics of Plasmas*