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