

Tentative Physics 489 Schedule Fall 2018

Week	Class	Day	Date	Topic	Reading	Homework DUE
1	1	Fri	7-Sep	Course Overview		
2	2	Mon	10-Sep	MFT Sample		MFT sample solutions
	3	Fri	14-Sep	GRE Sample Exam 1		GRE sample Exam 1 solutions
3	4	Mon	17-Sep	Advice for MFT and GRE	CP 9 p. 273-285; article	Comments on readings. CP 9 problems.
	5	Fri	21-Sep	Classical Mechanics I	CP 1 p. 1 - 24	Selected CP 1 problems.
4	6	Mon	24-Sep	Classical Mechanics II	CP 1 p. 24 - 58	Selected CP 1 problems.
	7	Fri	28-Sep	E&M I	CP 2 p. 59 - 81	Selected CP 2 problems.
5	8	Mon	1-Oct	Magnetism	CP 2 p. 83 - 98	Selected CP 2 problems.
	9	Fri	5-Oct	Optics	CP 3 p. 105 - 126	Selected CP 3 problems.
6	10	Mon	8-Oct	Thermo and Stat Mech.	CP 4 p. 131 - 152	Selected CP 4 problems.
	11	Fri	12-Oct	Quantum Mechanics	CP 5 p. 155 - 187	Selected CP 5 problems.
7	12	Mon	15-Oct	Atomic Physics	CP 5 p. 187 - 206	Selected CP 5 problems.
	13	Fri	19-Oct	Relativity	CP 6 p. 217 - 232	Selected CP 6 problems.
8	14	Mon	22-Oct	Lab methods	CP 7 p. 235 - 252	Selected CP 7 problems.
	15	Fri	26-Oct	Special Topics	CP 8 p. 255 - 270	Selected CP 8 problems.
9	16	Mon	29-Oct	GRE Sample Exam 2		GRE sample Exam 1 solutions
	17	Fri	2-Nov	Grad School Options	AIP Graduate Programs	List of Interesting Grad Schools
10	18	Mon	5-Nov	Scientific Presentations	Scientific Presentations: A cheat sheet	Comments on reading
	19	Fri	9-Nov	MFT		
11	20	Mon	12-Nov	Scientific Literature& Resumes		Physics Journal article and summary.
	21	Fri	16-Nov	Scientific Literature	How to read a scientific paper	Comments on reading.
12	22	Mon	19-Nov	Ethics in Physics	APS Ethics Case Studies	Comments on reading.
		Fri	23-Nov	Thanksgiving Break		
13	23	Mon	26-Nov	Resumes & cover letters		Resume to evaluate
	24	Fri	30-Nov	Scientific Proposals	Elements of the research proposal	Presentation to evaluate
14	25	Mon	3-Dec	Prep for PH190 Presentations		Preview of presentation
	26	Fri	7-Dec	Jobs in Physics	APS Careers in Physics	Comments on readings.
15	27	Mon	10-Dec	Proposal Reviews	Last Day of Class	Proposal evaluation
		Fri	14-Dec	Presenations to PH190	12:15 p.m. - 2:15 p.m.	