

Physics 210 Class Schedule					
Fall 2019			Instructor: Dr. Julie Alexander		
Date	Week	Lecture	Topics	Chapters in Text	Other Noteables
3-Sep	1	1	Introduction/ Math Review		EXCEL lab in CTEI 124A, Tec 257, CBA 287,287
		2	Physics Review	Chapters 2-4	Mastering physics introduction
		3	Physics Review	Chapters 2-4	
9-Sep	2	1	Electric charge, Coulombs Law	Chapter 21	Mastering Quiz 1
		2	Electric fields	Chapter 21	E field mapping lab
		3	Electric field of continuous charge	Chapter 21	
16-Sep	3	1	Electric field of continuous charge	Chapter 21	Mastering Quiz 2
		2	Electric field of continuous charge	Chapter 21	Charge/Mass ratio of e^- lab
		3	Electric field lines, charges in E	Chapter 21	
23-Sep	4	1	Electric flux, Gauss Law	Chapter 22	Mastering Quiz 3
		2	Applications of Gauss Law	Chapter 22	Tutorial during Lab period
		3	Applications of Gauss Law	Chapter 22	
30-Sep	5	1	Term Test #1 (Oct. 1)		Mastering Quiz 4
		2	Conductors in electrostatic equilibrium	Chapter 22	Climate Talk during Lab
		3	Electric Potential	Chapter 23	
7-Oct	6	1	Potential Difference	Chapter 23	Mastering Quiz 5
		2	V due to point charges	Chapter 23	Lab TBD #1
		3	Electric PE, Obtaining E given V	Chapter 23	
14-Oct	7	1	V due to continuous charge	Chapter 23	Holiday Monday
		2	V due to continuous charge	Chapter 23	Lab TBD #2
		3	V due to a charged conductor	Chapter 23	

	Week		Topics	Chapters in Text	Other Noteables
21-Oct	8	1	Capacitance, Combinations of C	Chapter 24	Mastering Quiz 6
		2	Energy stored in a capacitor	Chapter 24	Capacitance Lab
		3	Dielectrics, electric dipole	Chapter 25	
28-Oct	9	1	Electric Current	Chapter 25	Mastering Quiz 7
		2	Resistance and resistivity	Chapter 25	Kirchoff Lab
		3	Resistance and temperature, power	Chapter 26	
4-Nov	10	1	Electric circuits, Kirchoff's Rules	Chapter 27	Mastering Quiz 8
		2	Magnetism	Chapter 27	Lab TBD #3
		3	Magnetic fields and forces	Chapter 27	
11-Nov	11	1	Magnetic force on wire	Chapter 27	Holiday Monday
		2	Torque on current loop	Chapter 27	Review during Lab period
		3	Motion of charged particle in a B field	Chapter 27	
18-Nov	12	1	Term Test #2 (Nov. 19)		Mastering Quiz 9
		2	Biot-Savart Law	Chapter 28	
		3	Biot-Savart Law	Chapter 28	
25-Nov	13	1	Force between 2 wires, Ampere's Law	Chapter 28	Mastering Quiz 10
		2	Ampere's Law	Chapter 28	Solenoid Lab
		3	Solenoid, magnetic flux, Gauss Law	Chapter 28	
2-Dec	14	1	Faraday's Law, motional EMF	Chapter 29	No Quiz
		2	Faraday's Law, motional EMF	Chapter 29	Review during Lab period
		3	Lenz's Law, Maxwell's Equations	Chapter 29	