

Physics 515, Spring 2019, University of Washington									
Graduate Classical Electrodynamics: Quarter 3 of 3									
	Text: John David Jackson, "Classical Electrodynamics," 3th ed.								
	(syllabus ver. 02apr19 11:00)								
week	date	lecture topic	reading*						
1	3-Apr	Scattering & Diffraction I: Long-wavelength cross-section	10.1-2						
	5-Apr	Scattering & Diffraction II: Scalar & vector diffraction	10.5-7						
2	10-Apr	Scattering & Diffraction III: Complementary screens, apertures, optical thm.	10.8-11						
	12-Apr	Relativity I	11.1-6						
3	17-Apr	Relativity II	11.7-12						
	19-Apr	Lagrangian Formulation I	12.1-3						
4	24-Apr	Lagrangian Formulation II	12.4-7						
	26-Apr	Lagrangian Formulation III	12.8-11						
5	1-May	Collision & energy loss I	13.1-3						
	3-May	Collision & energy loss II	13.4-7						
6	8-May	Radiation by moving charges I	14.1-3						
	10-May	MID-TERM EXAM							
7	15-May	Radiation by moving charges II	14.4-5						
	17-May	Radiation by moving charges III	14.6-8						
8	22-May	Radiative processes I	15.1-3						
	24-May	Radiative processes II	15.4-5						
9	29-May	Radiative processes III	15.6-7						
	31-May	Radiation damping I	16.1-3						
10	5-Jun	Radiation damping II. Pick up take-home final exam today in class.	16.4-6						
	7-Jun	Radiation damping III. Turn in take-home final exam today in class.	16.7.8						
		* The pace of the class, and therefore the readings, may vary from shown above.							
		Also, there will be special topics discussed in lecture.							

