Physics 1314 The Physical Perspective Syllabus
Spring 1997

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Text: College Physics by Jerry D. Wilson
Office hours: Monday: 2:00 p.m. - 4:00 p.m. Also by appointment.

DATE	LECTURE TOPIC	READING
Jan 13	Elementary Mechanics Review	Handout
Jan 14	Laboratory session canceled	
Jan 15	Electrical Charge and Force	Ch. 15 pp. 482-493.
Jan 20	Holiday (M.L. King's Birthday)	
Jan 21	Measurement and Measurement Error (L)	
Jan 22	Electric Field	Ch. 15 pp. 493-498.
Jan 27	Electrical Energy and Potential	Ch. 15 pp. 499-505
Jan 28	Electrical Measurements (L)	
Jan 29	Electric Current and Power	Ch. 16 pp. 518-534
Feb 3	Magnetism and Electromagnetism	Ch. 18 pp. 570-582
Feb 4	Ohm's Law (L)	
Feb 5	Magnetic Force on a Moving Charge	Ch. 18 pp. 582-589
Feb 10	Review	Chaps. 15, 16 & 18
Feb 11	Special Topics (L)	
Feb 12	Test 1	Chaps. 15, 16 & 18
Feb 17	Test 1 Explanation	
Feb 18	Electromagnetic Induction (L)	
Feb 19	Electromagnetic Induction I	Ch. 19 pp. 601-613
Feb 24	Electromagnetic Induction II	Ch. 19 pp. 601-613
	Electromagnetic Waves	Ch. 19 pp. 618-626
Feb 25	Plane Mirror Reflection (L)	
Feb 26	Geometrical Optics I	Ch. 21 pp. 651-661
Mar 3	Geometrical Optics II	Ch. 21 pp. 661-667
Mar 4	Refraction (L)	
Mar 5	Mirrors	Ch. 22 pp. 672-685

DATE	LECTURE TOPIC	READING
Mar 10	Spring Break	
Mar 11	Spring Break	
Mar 12	Spring Break	
Mar 17	Lenses	Ch. 22 pp. 685-691
Mar 18	Lenses (L)	
Mar 19	Wave Nature of Light	Ch. 23 pp. 703-712
Mar 24	Diffraction and Polarization	Ch. 23 pp. 712-718
Mar 25	The Eye (L)	
Mar 26	More Diffraction and Polarization	Ch. 23 pp. 712-718
Mar 31	Review for Test 2	Chaps. 19, 21, 22 & 23
Apr 1	Diffraction (L)	
Apr 2	Test 2	Chaps. 19, 21, 22 & 23
Apr 7	Test 2 Explanation	
Apr 8	Special Topics (L)	
Apr 9	Quantum Nature of Light	Ch. 26 pp. 800-810
Apr 14	Bohr Model of Hydrogen Heisenberg Uncertainty Principle	Ch. 26 pp. 810-816
Apr 15	Hydrogen Spectra (L)	
Apr 16	Wave-Particle Duality	Ch. 27 pp. 826-830, 841-844
Apr 21	Review for Test 3	Chaps. 26, 27, 28 & 29
Apr 22	Radioactivity (L)	
Apr 23	Test 3	Chaps. 26, 27, 28 & 29
Apr 28	Test 3 Explanation	
Apr 29	Make-up Labs	
Apr 30	Special Topics	

Final Examination: 123 FS 11:30 a.m. – 2:30 p.m. Wednesday, 7 May 1997