Physics 1313 Fundamentals of Physics Syllabus
Fall 1996

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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
Aug 26	Introduction and Describing Motion	Ch. 2, pp. 32-50
Aug 27	Laboratory session canceled	
Aug 28	Describing Motion	Ch. 2, pp. 32-50
Sep 2	Labor Day Holiday	
Sep 3	Measurement and Measurement Error (L)	
Sep 4	Falling Bodies	Ch. 2, pp. 50-58
Sep 9	Newton's Law of Motion	Ch. 4, pp. 101-120
Sep 10	The Acceleration due to Gravity (L)	
Sep 11	More on Newton's Law of Motion	Ch. 4, pp. 120-132
Sep 16	Projectile Motion	Ch. 3, pp. 85-95
Sep 17	Vectors and the Inclined Plane (L)	
Sep 18	Circular Motion	Ch. 7, pp. 207-211, 215-222
Sep 23	Gravitation	Ch. 7, pp 226-230
Sep 24	Review (Ch 2-4, parts of 7)	
Sep 25	Test 1. (Ch 2-4, parts of 7)	
Sep 30	Test 1 Explanation	
Oct 1	The Force Table (L)	
Oct 2	First Look at Momentum and Its Conservation	Ch. 6, pp. 172-186
Oct 7	Second Look at Momentum and Its Conservation	Ch. 6, pp. 186-200
Oct 8	Collisions and Momentum (L)	
Oct 9	Intro to Work and Energy	Ch. 5, pp. 138-154
Oct 14	Yet More Work and Energy	Ch. 5, pp. 154-165
Oct 15	Ballistic Pendulum (L)	
Oct 16	Bodies in Equilibrium	Ch. 8, pp. 250-264

DATE	LECTURE TOPIC	READING
Oct 21	Rotational Motion	Ch. 8, pp. 265-277
Oct 22	Rotational Equilibrium (L)	
Oct 23	Angular Momentum	Ch. 8, pp. 278-283
Oct 28	Static Fluids and Why Things Float	Ch. 9, pp. 292, 299-310
Oct 29	Review (Ch 5-6,8-9)	
Oct 30	Test 2 (Ch 5-6, parts of 7, 8-9)	
Nov 4	Test 2 Explanation	
Nov 5	Archimedes' Principle and Specific Gravity (L)	
Nov 6	Temperature and Ideal Gas Laws	Ch. 10, pp. 333-343
Nov 11	First Look at Simple Harmonic Motion	Ch. 13, pp. 422-434
Nov 12	Springs and Hooke's Law (L)	
Nov 13	Last Look at Simple Harmonic Motion	Ch. 13, pp. 422-434
Nov 18	Wave Motion and Sound	Ch. 13, pp. 435-448; Ch. 14, pp. 454-460
Nov 19	Simple Pendulum (L)	
Nov 20	Special Topics	
Nov 25	Review (Ch. 10-11, 13-14)	
Nov 26	Resonant Tubes (L)	
Nov 27	Test 3 (Ch. 10-11, 13-14)	
Dec 2	Test 3 Explanation	
Dec 3	Make-up Labs	
Dec 4	Semester Review	

Final Examination: 123 FS 11:30 a.m. – 2:30 p.m. Tuesday, 10 December 1996