

**Physics 1313 Fundamentals of Physics Syllabus
Fall 1997**

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Text: College Physics Third Edition, by Jerry D. Wilson and Anthony J Buffa

Office hours: Monday: 2:00 p.m. - 4:00 p.m. Also by appointment.

DATE	LECTURE TOPIC	READING	HOMEWORK
Aug 25	Introduction	Ch. 1	Ex. 4,35,38,52
Aug 26	Laboratory session canceled		
Aug 27	Description of Motion	Ch. 2	Ex. 10,17,22,70
Sep 1	Labor Day Holiday		
Sep 2	Measurement and Measurement Error (L)		
Sep 3	Motion in 2 Dimensions	Ch. 3	Ex. 13,47,50,63
Sep 8	Force and Inertia	Ch. 4	Ex. 3,18,19,30
Sep 9	Vectors and the Inclined Plane (L)		
Sep 10	Newton's Laws of Motion	Ch. 4	Ex. 43,48,53,59
Sep 15	Work and Energy	Ch. 5	Ex. 7,9,23,34
Sep 16	The Acceleration due to Gravity (L)		
Sep 17	Conservation of Energy, Power	Ch. 5	Ex. 48,56,62,63
Sep 22	Momentum and Collision	Ch. 6	Ex. 8,10,27,35
Sep 23			
Sep 24	Test 1		
Sep 29	Momentum and Collision	Ch. 6	Ex. 48,50,81,88
Sep 30	The Force Table (L)		
Oct 1	Circular Motion	Ch. 7	Ex. 10,28,31,43
Oct 6	Gravitation	Ch. 7	Ex. 82,97,100,101
Oct 7	Collisions and Momentum (L)		
Oct 8	Rotations	Ch. 8	Ex. 20,21,30,32
Oct 13	Angular Momentum	Ch. 8	Ex. 48,56,88,91
Oct 14	Ballistic Pendulum (L)		
Oct 15	Solids and Fluids	Ch. 9	Ex. 8,11,32,33
Oct 20	Solids and Fluids	Ch. 9	Ex. 40,51,53,60
Oct 21	Rotational Equilibrium (L)		
Oct 22	Temperature	Ch. 10	Ex. 8,13,27,34

Oct 27	Thermal Expansion	Ch. 10	Ex. 44,45,51,59
Oct 28	Revie		
Oct 29	Test 2		

DATE	LECTURE TOPIC	READING	HOMEWORK
Nov 3	Heat	Ch. 11	Ex. 14,16,20,21
Nov 4	Radiation and Specific Heat (L)		
Nov 5	Thermodynamics	Ch. 12	Ex. 12,14,22,24
Nov 10	Relativity	Ch. 26	Ex. 23,24,28,41
Nov 11	Springs and Hooke's Law (L)		
Nov 12	Relativity	Ch. 26	
Nov 17	Vibrations	Ch. 13	Ex. 6,8,13,18
Nov 18	Simple Pendulum (L)		
Nov 19	Waves	Ch. 13	Ex. 30,58,59,62
Nov 24	Test 3		Ex. 10,20,28,30
Nov 25	Resonant Tubes (L)		
Nov 26	Sound	Ch. 14	
Dec 1	Sound	Ch. 14	Ex. 54,55,63,64
Dec 2	Make-up Labs		
Dec 3	Review		

Final Examination: 123 FS 11:30 a.m. - 2:30 p.m. Thursday, 11 December 1997

GRADING

Homework	15%
Lab Reports	25%
Tests	30%
Final	30%

Tests and the final are open book and open notes. Homework is counted as either handed in (50% of the problems are honestly attempted) or not handed in.

