

**Syllabus - Physics 1313 Fundamentals of Physics
Fall 1998**

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Text: Physics, Fourth Edition, by Cuttnell and Johnson

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

DATE	LECTURE TOPIC	READING	HOMEWORK
Aug 24	Introduction	Ch. 1	Ex. 2,6,13,27
Aug 25	No Laboratory Session		
Aug 26	Statistics and Measurements	Ch. 2	
31	Description of Motion	Ch. 2	Ex. 3,8,69,74
Sep 1	Measurement and Measurement Error (L1)		
Sep 2	Motion in 2 Dimensions	Ch. 3	Ex. 11,23,40,56
Sep 7	Labor day Holiday		
Sep 8	The Acceleration due to Gravity (L2)		
Sep 9	Forces and Newton's Laws of Motion	Ch. 4	Ex. 4,24,38,39
Sep 14	Forces and Newton's Laws	Ch. 4	Ex. 60,72,90
Sep 15	Vectors and the Inclined Plane (L3)		
Sep 16	Circular Motion	Ch. 5	Ex. 8,22,35,38
Sep 21	Work and Energy	Ch. 6	Ex. 15,27,35,60
Sep 23	No Laboratory Session		
Sep 24	Test 1		
Sep 28	Momentum and Collisions	Ch. 7	Ex. 5,15,33,41
Sep 29	The Force Table (L4)		
Sep 30	Momentum and Collisions	Ch. 7	
Oct 5	Rotational Kinematics	Ch. 8	Ex. 4,6,22,44
Oct 6	Collisions and Momentum (L5)		
Oct 7	Rotational Kinematics	Ch. 8	.
Oct 12	Fall break		
Oct 13	Fall break		
Oct 14	Rotational Dynamics	Ch. 9	Ex. 15,30,61
Oct 19	Elasticity	Ch. 10	Ex. 5,11,27
Oct 20	Rotational Equilibrium (L6)		
Oct 21	Harmonic Motion	Ch. 10	Ex. 36,47,63,64

Oct 26	Fluids and Solids	Ch. 11	Ex. 2,7,14,41
Oct 27	Review		
Oct 28	Test 2		
Nov 2	Temperature and Heat	Ch. 12	Ex. 2,10,58
Nov 3	Radiation and Specific Heat (L7)		
Nov 4	Thermodynamics	Ch. 12	
Nov 9	Ideal Gas	Ch. 14	Ex. 4,6,17
Nov 10	Springs and Hooke's Law (L8)		
Nov 11	Thermodynamics	Ch. 15	
Nov 16	Waves	Ch. 16	Ex. 2,14,31,77
Nov 17	Simple Pendulum (L9)		
Nov 18	Waves	Ch. 16	
Nov 23	Test 3		
Nov 24	Resonant Tubes (L10)		
Nov 25	Relativity		
Dec 1	Relativity		
Dec 2	Make-up Labs		
Dec 3	Review		

Final Examination: 123 FS 11:30 a.m. - 2:30 p.m. Saturday, 12 December 1998

GRADING

Homework	10%
Lab Reports	30%
Tests	30%
Final	30%

Tests and the final are closed book. Two pages of open notes are permitted. Homework is due on Mondays of the following week. It is counted as either handed in or not handed in. Simple answers are not sufficient. Show your work.