

Physics 2205
Syllabus (as it happened)

7 December, 1999

Lecture	Date	Reading in text	Topics
1	24 Aug	1-1 to 1-8, Appendix A	orientation, measurements, units
2	26 Aug	2-1 to 2-5	1-D kinematics
3	31 Aug	2-5 to 2-7	1-D kinematics (cont'd)
4	2 Sep	2-7, 3-1 to 3-6	vectors, 2-D kinematics
5	7 Sep	3-6 to 3-7, 4-1 to 4-4	2-D kinematics (cont'd), Newton's first 2 laws
6	9 Sep	4-5 to 4-7	Newton's Third Law of Motion
7	14 Sep	4-7 to 4-9	friction
8	16 Sep	5-1 to 5-3	circular motion
9	21 Sep	5-6 to 5-9	gravitation, Kepler's Laws
10	23 Sep	6-1 to 6-4	conservation of energy
11	28 Sep	Chapters 1 to 5	Exam 1
12	30 Sep	6-4 to 6-8	springs, dissipation of energy
13	5 Oct	6-10, 7-1 to 7-3	power, momentum, impulse
14	7 Oct	7-4 to 7-7	collisions
15	12 Oct	7-8, 8-1 to 8-2	center of mass, rotation
16	14 Oct	8-3 to 8-5, 9-1 to 9-4	rolling, torque, statics
17	19 Oct	9-4, 10-1 to 10-2	rotation problems, fluids
18	21 Oct	10-3 to 10-7	fluids (cont'd)
19	26 Oct	11-1 to 11-4	oscillations, simple pendulum
20	28 Oct	11-5 to 11-9, 11-11, 11-12	vibrations and waves
21	2 Nov	12-1 to 12-2, 12-5, 12-7	sound
22	4 Nov	12-8, 23-1 to 23-2	sound (cont'd), reflection of light
23	9 Nov	23-3 to 23-5	reflection (cont'd), refraction
24	11 Nov	Chapters 6 to 12	Exam 2
25	16 Nov	23-6 to 23-9	total internal reflection, lenses
26	18 Nov	24-1 to 24-2	Huygens' Principle
27	30 Nov	24-3 to 24-6	interference, the spectrum, diffraction
28	2 Dec	24-7, 24-10	spectroscopy, polarization
29	7 Dec	25-1 to 25-2, 25-7 to 25-8	cameras, eyes, resolution
30	13 Dec	Chapters 1 to 12, 23 to 25	Exam 3 (Final)