

Physics 8A Syllabus, Spring 2017

Lecture 1, MWF 3-4pm (C. Bordel)

<u>Week</u>	<u>Lecture days</u>	<u>Topics</u>	<u>Reading</u>	<u>Labs</u>
1	Jan. 16, 18, 20	1D kinematics	2	-----
2	Jan. 23, 25, 27	2D kinematics	3	Acceleration
3	Jan. 30, Feb. 1, 3	Forces & Motion	4	Projectile motion
4	Feb. 6, 8, 10	Newton's Laws	5	-----
5	Feb. 13, 15, 17	Circular Motion / Work & Energy	3.6, 5.3, 6	-----
6	Feb. 20, 22, 24	Conservation of Energy	7	Ball toss
7 ^I	Feb. 27, Mar. 1, 3	Gravity	8	Midterm 1
8	Mar. 6, 8, 10	Momentum Conservation	9	Walking/running
9	Mar. 13, 15, 17	Rotational motion	10-11	-----
10	Mar. 20, 22, 24	Static equilibrium / Oscillations	12-13	Rotation/statics of arm
---	<i>Mar. 27-31</i>	<i>Spring break</i>	-----	-----
11 ^{II}	Apr. 3, 5, 7	Oscillations & Waves	13-14	Midterm 2
12	Apr. 10, 12, 14	Fluids	15	Sound
13	Apr. 17, 19, 21	Heat & kinetic theory / Ideal Gases	16, 17	Fluids
14	Apr. 24, 26, 28	1 st & 2 nd laws of thermodynamics	18, 19	Ideal gas law
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^IMidterm 1: Wednesday, 3/1/17, 1 Pimentel & 1 LeConte, 7-9 pm (2 hr exam)

^{II}Midterm 2: Wednesday, 4/5/17, location TBA, 7-9 pm (2 hr exam)

Final Exam: Wednesday, 5/10/17, location TBA, 7-10 pm (3 hr exam)

Please check on bCourses for any update or complement of information.