

Physics 7A Syllabus, Fall 2018

MWF 1-2 pm, O. Hallatschek

<u>Week</u>	<u>Lectures</u>	<u>Topics</u>	<u>Giancoli Chapters</u>	<u>Labs</u>
1 *	8/22, 24	Introduction; 1D Kinematics	1,2	---
2	8/27, 29, 31	Vectors; 1D Kinematics	2,3	Kinematics I
3	9/5, 7	2D and 3D Motion; Force	3,4	Kinematics II
4	9/10, 12, 14	Newton's Laws; Friction	4,5	Dynamics
5	9/17, 19, 21	Friction; Gravitation	5,6	---
6	9/24, 26, 28	Work and Energy; Conservation of Energy	7,8	<i>Midterm 1</i>
7 ^I	10/1, 3, 5	Center of Mass; Linear Momentum	9	---
8	10/8, 10, 12	Rotational Kinematics and Dynamics	11	Collisions
9	10/15, 17, 19	Rotational Dynamics	10	Rotation
10	10/22, 24, 26	Statics, Fluids	12,13	---
11	10/29, 31, 11/2	Fluids	13	<i>Midterm 2</i>
12 ^{II}	11/5, 7, 9	Fluids + Oscillations	14	---
13	11/14, 16	Oscillations	14	Oscillation
14 *	11/19	Waves	15	---
15	11/26, 28, 30	Waves + Sound; Course review	16	Waves
16	12/3-7	<i>Reading/Review/Recitation Week</i>	---	---
17	12/11	<i>Final examination</i>	---	---

*week 1 starts on 8/22 ; Thanksgiving break (11/21-23).

^IMidterm 1: Monday, Sep. 24, 7-9 pm, 2050, 2030, 2038 VLSB

^{II}Midterm 2: Monday, Oct. 29, 7-9 pm, 2050, 2030, 2038 VLSB

Final Exam: Wednesday, Dec. 12, 7 – 10 pm, TBA

Please check on bCourses for any updates or further information.