

## Physics 132

### Winter 2012 Lecture and Laboratory Schedule

Text: Physics for Scientists and Engineers, 2<sup>nd</sup> ed., Randall D. Knight  
 Pearson / Addison Wesley, copyright 2008, publication date 2007.

Lab Manual: Physics 132 Laboratory Experiments, Physics Department Faculty

Week	Date	Reading	Homework Problems	Laboratory
1	1/3 (T)	Ch. 14	Ch. 14: 2, 3, 5, 15, 17, 21, 32, 36, 42, 43, 51, 60, 68, 71, 75	#1: Simple Pendulum
2	1/9	Ch. 20	Ch. 20: 1, 5, 7, 12, 14, 22, 29, 30, 39, 42, 45, 47, 49, 54, 62, 76, 79, 81	#10: Simple Harmonic Motion of a Spring
3	1/16	Ch. 21	Ch. 21: 3, 7, 16, 20, 24, 34, 38, 39, 48, 51, 59, 61, 64, 67, 69, 77, 80, 83	#11: Vibrating Strings
4	1/23	Ch. 22	Ch. 22: 3, 6, 7, 11, 19, 20, 25, 30, 41, 43, 45, 46	#13: Sound Resonance in Air Columns
5	1/30	Ch. 22/23	Ch. 22: 51, 54, 60, 64, 71, 75 Ch. 23: 2, 11, 13, 14, 16, 19, 24	#16: Interference and Diffraction of Light
6	2/6	Ch. 23/24	Ch. 23: 32, 34, 46, 61, 62, 65, 69, 72 Ch. 24: 2, 22, 47	#18: Refraction of Light
7	2/13	Ch. 15.1-3 Ch. 16	Ch. 15: 1, 4, 6, 8, 10, 12, 44 Ch. 16: 3, 5, 10, 13, 17, 20, 27, 29, 31, 38, 42, 47, 51, 52, 56, 58, 63, 69	#15: Simple Lenses
8	2/20	Ch. 17	Ch. 17: 2, 6, 9, 10, 13, 19, 22, 26, 37, 44, 46, 47, 55, 58, 59, 63, 67, 80	#8: Temperature and Thermometers
9	2/27	Ch. 18	Ch. 18: 4, 9, 15, 17, 26, 29, 33, 36, 44, 48, 50, 54, 60, 61	#5: Specific Heat and Heat of Transformation
10	3/5	Ch. 19	Ch. 19: 2, 4, 6, 12, 14, 16, 20, 22, 25, 29, 32, 38, 52, 53, 54, 61, 62	#19: Adiabatic Compression

Important Dates: 1/12 is the last day to add / drop a course  
 2/22 is the last day to petition to withdraw from a course  
 1/16 is an academic holiday, MLK Day  
 2/20 is an academic holiday, Presidents' Day  
 3/12-16 are final exam days

**IMPORTANT:**

On T, 1/17, and on F, 2/17, classes follow a Monday schedule. Labs that would have been on those days are cancelled, and replaced by Monday labs. On F, 2/17, the lab will be #8, Temperature and Thermometers.