CHM B21W   2008/09

Week	Topic	Chapter reference
Jan 5	deficiencies in classical approach; the SWE	12; 13
Jan 12	postulates of QM; particle-in-a-box; tunnelling	14; 15; 16.3-16.7
Jan 19	*no class on Monday* harmonic oscillators	18.1; 18.6
Jan 26	rotations; introduction to hydrogen *1st in-class test Jan 28*	18.2-18.4; 20
Feb 2	hydrogen (cont'd); other atoms	20; 21
Feb 9	atoms and atomic spectroscopy	21; 22
Feb 23	introduction to H_2 *2nd in-class test Feb 25*	23.1-5
Mar 2	H_2 and other diatomics; ro-vibrations of diatomics	23.6,7; 24; 19
Mar 9	polyatomic molecules	25
Mar 16	electronic spectroscopy	26; 29
Mar 23	*no class on Monday* *3rd in-class test Mar 25*	
Mar 30	computational chemistry	27

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Textbook: *Physical Chemistry*, Engel & Reid

Grading: Assignments (5): 25%
              In-class tests (3): 30%
              Final exam: 45%