

## Schedule for Chemistry 8541, “Dynamics”

11:15–12:30, Mon, Fri (9/5/2014 – 12/8/2014), 283 Kolthoff

### Textbooks:

Herman: “A Course in Mathematical Methods for Physicists”, Russell L. Herman (CRC Press, Boca Raton, 2014).

Taylor: “Classical Mechanics,” John R. Taylor (University Science Books, Sausalito, 2005).

TBA = to be announced

<i>Mondays</i>		<i>Fridays</i>	
9- 7	<i>Labor Day – no class</i>	9-11	Organization, Introduction
9-14	Herman - chapter 1	9-18	Herman - chapter 2
9-21	Herman - chapter 3	9-25	Herman - chapter 4
9-28	Herman - chapter 5	10- 2	Herman - chapter 6
10- 5	Herman - chapter 7	10-9	Herman - chapter 8
10-12	Herman - chapter 9	10-16	Herman - chapter 10
10-19	Herman - chapter 11	10-23	Taylor - chapter 1
10-26	Taylor - chapter 2	10-30	Taylor - chapter 3
11- 2	Taylor - chapter 4	11- 6	Taylor - chapter 5
11-9	Taylor - chapter 6	11-13	Taylor - chapter 7
11-16	Taylor - chapter 8	11-20	Taylor - chapter 9
11-23	Taylor - chapter 10	11-27	<i>Holiday – no class</i>
11-30	Taylor - chapter 11	12- 4	J. E. White, J. Chem. Educ. <b>44</b> , 128-135 (1967). M. Orchin and H. H. Jaffé, J. Chem. Educ. <b>47</b> , 246-262, 372-377, 510-516 (1970). J. E. Rosenthal and G. M. Murphy, Rev. Mod. Phys. <b>8</b> , 317-346 (1936).
12- 7	Taylor - chapter 12	12-11	Taylor - chapter 13
12-14	Taylor - chapter 14 ( <i>final class</i> )		