

Reading Assignments for CH 463(WIC) Spring term

Week	CH 463/463H Laboratory Manual	ACS Style Guide - Required	Mohrig, Jerry R., etal, <i>Techniques in Organic Chemistry</i> – strongly suggested	Alberty and Silbey <i>Physical Chemistry</i> 2nd ed.; Wiley& Sons: New York, 1997. or see topics in your physical chemistry text.
	Pages in Experiment 1:			
1	p 1 - 11 & p 57 (ref. list) scan 12-21	Chap 6- Ref Lists p 175- 185, scan though to and read p 211 - 213	Chap 2, p 8-17	
2	p 7- 14		Sep funnels p 138-143 Rotovap p 162- 163 Steam distillation p 158-162 Vac. distillation p 152-158 TLC p 187 - 191 Crystallization p 164-173 mp p 239	
3	p 23-30	Chap 1- Writing paper Chap 3- Grammar style for reporting mp, IR, NMR p 266 -267	Vol glassware p 114 - 118 IR 288-295 IR pellet p 296 NMR 334 - 340 Beer's Law-UV p 272, 274, 278- 281	Molecular Structure: Chap 11; specifically 11.6 & 11.7 (p 402-410) Spectroscopy: Chap 13; 13.1 p 445-447; Vibrational Polyatomics p 469-473 Electronic Spectroscopy: Chap 14; 14.2 Franck-Condon p 487-491. 14.5 Oscillator Strength p 496-498. 14.6 Electronic Spectra Polyatomics p 498-500. 14.8 Fluorescence, Phosphorescence p 500-503.
4	p 35-48 appendix A & B	Chap 2 - Posters		Symmetry: Chap 12; 12.9 p 438-440. 14.4 Beers Law and IAC p 492-496. 13.2 Einstein Coefficients p 447-449
5	p 49 - 57 appendix C			Photochemistry: Chap 19; 19.6 p 689-692 19.7 Rates for Processes p 692-696 19.8 Chemical reactions 696-699
6	Experiment 2			your organic text