

CHEM 113B (Fall 2014) - TuTh Section

(Tentative) Schedule of Experiments

Experiment	Start Date	Due Date
Check-in	Aug 26 (Tu)	----
Experiment 0	Aug 28 (Th)	Sept 11 (Th)
1 (stilbene)	Sept 4 (Th)	Oct 9 (Th)
2 (menthol)	Oct 2 (Th)	Oct 30 (Th)
3 (ester)	Oct 23 (Th)	Nov 13 (Th)
4 (d'done)	Nov 6 (Th)	Dec 9 (Tu)
Check-out	Dec 9 (Tu)	----

Experiments 0-4 have formal lab reports which are due at the beginning of the lab period on the dates shown. A lab quiz will be given at the start of these lab periods as soon as reports are collected

Spectroscopy Quiz and Final Exam Schedule

(all quizzes held Tuesdays during the 1330 lecture hour)

Spectroscopy Quiz One	16 Sept
Spectroscopy Quiz Two	7 Oct
Spectroscopy Quiz Three	28 Oct
Spectroscopy Quiz Four	18 Nov
Spectroscopy Quiz Five	2 Dec

Successive quizzes will be comprehensive for material previously covered. Quizzes are open only to books used in this course and your notes, but you must bring your own copies! (no sharing)

FINAL EXAM

Tuesday Dec 16

9:45 am

Be sure you keep track of report due dates and when quizzes will be given!

Tentative Lecture and Reading Schedule

Day	Subject	Reading
Aug 26	Brief review of IR, Hydrogen Deficiency, Rule of 13,	SWK Ch2, PLK Ch 1, 2
Sept 2	^1H and ^{13}C NMR: the basics	PLK Ch 3,4 SWK 3.1, 3.3, 3.4, 3.5, 4.1, 4.2, 4.3
Sept 9	^1H NMR Coupling in detail	PLK Ch 5 SWK 3.2, 3.8, 3.9, 3.10
Sept 16	Quiz 1	
Sept 23	Exchange and Dynamic NMR	PLK Ch 6 SWK 3.6, 3.8.3
Sept 30	Advanced NMR	PLK Ch 10 SWK 4.6, 5.1-5.6
Oct 7	Quiz 2	
Oct 14	Isotopic and Atomic Weights, HRMS	PLK Ch 8.1-8.5A SWK 1.1, 1.2, 1.3.1, 1.4, 1.5.1, 1.5.2.2
Oct 21	Low resolution MS, use of the M^+ region	PLK Ch 8.5B SWK 1.5.2.1, 1.5.3
Oct 28	Quiz 3	
Nov 4	MS Fragmentation	PLK 8.6-8.8, SWK 1.5.4, 1.5.5
Nov 11	Veterans Day - No class	
Nov 18	Quiz 4	
Nov 25	Other topics - UV-vis	PLK Ch 7
Dec 2	Quiz 5	

Day	Subject	Reading
Dec 9	Review and Practice	