

Chemistry 61. Instrumental Analysis: Revised Course Schedule (27 September 2002)

Date	Day	Due	Lecture Topics/Other Activity	Reading (in Skoog unless noted)
9/23	M		Signals and Noise	Chapter 5
9/25	W		Optical sources	143-147, 196-199, 313-314, 389-390
9/26	Th		<i>Lab: Electronics</i>	
9/27	F	PS 3	Optical sources	143-147, 196-199, 313-314, 389-390
9/30	M		Wavelength selectors	116-128, 154-166, 311-312
10/2	W		Wavelength selectors	116-128, 154-166, 311-312
10/3	Th		TEST 1: Classes thru 9/27; PS 1, 2, 3	IN ROOM 302
10/4	F		Lasers: Quantum fundamentals	147-150, Lasers Chapter 2
10/7	M		Lasers: Optical fundamentals	Lasers Chapter 2
10/9	W	PS 4	Laser distinctives	Lasers Chapter 1
10/10	Th		<i>Lab: Diode Array Spectrometer</i>	IN ROOM 364, 385, or 387
10/11	F		Tunable lasers	Lasers 48-50, 65-67
10/14	M		Detectors	128-130, 167-178
10/16	W	PS 5	Detectors	128-130, 167-178
10/17	Th		<i>Lab: Diode Array Spectrometer</i>	
10/18	F		Noise and Beer's law	300-310
10/21	M		UV/Vis/IR instruments: overview	314-325, 397-399
10/23	W		Time domain spectroscopy	57-58, 473-474
10/24	Th		Fall Break—no class	
10/25	F		Fall Break—no class	
10/28	M		Fourier transform methods	120-121, 182-189, 392-396
10/30	W		Fourier transform methods	120-121, 182-189, 392-396
10/31	Th		<i>Lab: Diode Array Spectrometer</i>	
11/1	F	PS 6	X-rays: Physical fundamentals	272-275
11/4	M		Atomic X-ray spectroscopy	276-289
11/6	W		Atomic X-ray spectroscopy	276-289
11/7	Th		TEST 2: Classes thru 10/30; PS 4, 5, 6	IN ROOM 370
11/8	F		Tour Keck Lab (Jeff Thole)	
11/11	M		Atomic X-ray spectroscopy	276-289
11/13	W	PS 7	Topics to be announced	
11/14	Th		<i>Lab: Catch-up, clean-up</i>	
11/15	F		Topics to be announced	
11/18	M	Prop	Topics to be announced	
11/20	W		Topics to be announced	
11/21	Th		Topics to be announced	
11/22	F	LAB	Topics to be announced	
11/25	M		Topics to be announced	
11/27	W		Topics to be announced	
11/28	Th		Thanksgiving Holiday—no class	
11/29	F		Thanksgiving Holiday—no class	

COURSE SCHEDULE (timing of lecture topics may vary)

Date	Day	Due	Lecture Topics/Other Activity	Reading (in Skoog unless noted)
12/2	M		Topics to be announced	
12/4	W		Topics to be announced	
12/5	Th		TEST 3: Scope to be announced	IN ROOM 370
12/6	F		Oral reports in class	
12/9	M		Oral reports in class	
12/11	W		Oral reports in class	
12/12	Th		<i>NO LAB</i>	
12/13	F		Oral report in class; course evaluations	

Your final paper is due Monday, December 16