

Instrumental Methods of Analysis Lecture Schedule — Spring, 2012

Date	Lecture Topic	Text — Skoog, Holler, and Crouch, 6th Ed.
Feb. 1	Introduction	Ch. 1
Feb. 3	Digital Electronics	Ch. 2: sections C1, C2, D; Ch. 4 (skip section C)
Feb. 6	Digital Electronics	
Feb. 8	Noise	Ch. 5: sections A, B, C (selected parts)
Feb. 10	Electrochemistry	Ch. 22
Feb. 13	Electrochemistry	Ch. 23: sections A, B, C, D3, H
Feb. 15	Electrochemistry	
Feb. 17	Voltammetry	Ch. 25
Feb. 20	Voltammetry	
Feb. 22	Voltammetry	
Feb. 24	Mass Spectrometry	Ch. 11: sections A, B
Feb. 27	Mass Spectrometry	Ch. 20: sections A, B1, B2, C1, C2, C3
Feb. 29	Mass Spectrometry	Ch. 20: sections D1, D2
March 2	Exam #1	
March 5	Spectroscopy	Ch. 8: section A1; Ch. 15: sections A1, A2, A3
March 7	Spectroscopy	Ch. 6: sections A, B1, B2, C1, C2, C3, C4, C5, C6, D2
March 9	Spectroscopy	Ch. 7: sections A, B, C2, C3, D, E
March 12	Spectroscopy	Ch. 13: section D
March 14	Spectroscopy	
March 16	Spectroscopy	
	Spring Break	
March 26	Spectroscopy	
March 28	Spectroscopy	
March 30	Atomic Spectroscopy	Ch. 8: sections A2, A3, B, C
April 2	Atomic Spectroscopy	Ch. 9
April 4	Atomic Spectroscopy	Ch. 10: section A
April 6	Good Friday	
April 9	Exam #2	
April 11	Chromatography	Ch. 26
April 13	Chromatography	
April 16	Liquid Chromatography	Ch. 28
April 18	Liquid Chromatography	
April 20	Gas Chromatography	Ch. 27
April 23	Gas Chromatography	
April 25	Fourier Transform Methods	Ch. 7: section I
April 27	Fourier Transform Methods	Ch. 20: section C4
April 30	Infrared Spectroscopy	Ch. 16: sections B, C1, C2
May 2	Infrared Spectroscopy	Ch. 17: section A, Ch. 7: section E5
May 4	NMR Spectroscopy	Ch. 19: sections A, B, C1, C2, C3, E1
May 7	NMR Spectroscopy	
May 9	Exam #3	
May 11	Course Conclusion	
May 16	Final Exam	