

Instrumental Analysis Chemistry 348 Fall 2016 Tentative Lecture Syllabus

Text: Chemical Analysis, Rouessac and Rouessac, 2nd Edition and www.tophat.com subscription.

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Lect	Date	Topic	Readings
1	9/12/2016	Introduction: reports, stats	C21, 22 Pg 487 & 501
2	9/19/2016	UV-VIS Theory	C9: Pg 167
3	9/26/2016	UV-VIS instrumentation & apps	C9: Pg 176
4	10/03/2016	IR Theory	C10: Pg 207
5	10/10/2016	FT-IR instrumentation	C10: Pg 216
6	10/17/2016	Fluorescence	C11: Pg 241
*	10/24/2016	Exam I: Lects 1-6 and your articles	
7	10/31/2016	HPLC Theory, instrumentation & apps	C1: Pg 3, C3: Pg 63
8	11/07/2016	GC Theory, instrumentation & Apps	C1: Pg 3, C2: Pg 31
9	11/14/2016	Pharmaceuticals, food, cosmetics, and forensics	Internet Readings
10	11/21/2016	Radiochemistry (Prof Herzog)	C13: Pg 291
11	11/28/2016	XRF Theory	C12: Pg 263
12	12/02/2016	XRF Instrumentation & Apps	C12: Pg 273
13	12/09/2016	AA Theory , ICPMS, ICPOES Theory and instrumentation	C13: Pg 285, C14: Pg 309
*	12/22/2016	Exam II: Lects 7-13 and your articles	Thursday: 4-7 PM

Note: You can download the lectures from: Sakai

Your are required to attend three lectures at the Eastern Analytical Society (www.eas.org) meeting November 14-16, 2016 (technical program) and vendor exhibits in Somerset, NJ (Garden State Exhibit Center). A report (100 pts) is required.