

Spec. Analysis Lecture
Chemistry 436/536
Fall 2008
9:00-9:50 MWF
SB2 Room 155

Professor Robert M. Strongin
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Office Hours by Email appointment (no phone calls please)
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Text: Introduction to Spectroscopy by Pavia, Lampman, Kriz and Vyvan, 4th Ed.
Bring the text to each class.

Material corresponding to the following chapters in the text will be covered in the following order:

1. IR Spectroscopy: Chapter 1 (review) and Chapter 2
2. NMR Spectroscopy (1-D): Chapters 3-6
3. Mass Spectrometry: Chapter 8
4. NMR Spectroscopy (2-D): Chapter 10
5. UV and Combined Structures Chapters 7 and 9

We will cover on average approximately one chapter per week. Homework problems will be assigned in class. Exams will be mainly problem (structure determination) oriented.

Exam 1 (midterm) will be Monday Nov 3 at the regular class time in Room 155 SB2
Exam 2 (final) will be Tuesday Dec 9 at 8:00 AM in Room 155 SB2

Each exam is worth 50 % of the grade. The final will emphasize topics covered since the midterm, but cannot totally exclude earlier material due to the cumulative nature of the subject matter.