

The strengths and limitations of different instrumental methods.

To make the kind of a...men... will need to a...

The chemical and/or physical principles employed in the measurement.

How the instrument makes the measurement.

Some of the techniques employed in analytical figures of merit (precision, accuracy, detection, and sensitivity).

Course Material: The selected book for the course is

Principles of Instrumental Analysis, 7th Ed. by Douglas A. Skoog, F. James Holler, and Stanley Crouch (ISBN 9781305577213)

The book is available at _____

Graded Component :

E a (50%): Fi e

Week 9, 03/11 - 03/15

Spring break, no class

Week 10, 03/18 - 03/22 (Chapters 16 - 18)

- Lecture 20: Fourier Transform IR instrumentation (Problem Set 3 due, bring finished assignment)
- Lecture 21: Sample handling, Attenuated Total Reflectance (ATR) IR
- Lecture 22: Infrared to Raman spectroscopy

Week 11, 03/25 - 03/29 (Chapters 17 & 18)

- Lecture 23: Raman experimental considerations, polarized Raman
- Lecture 24:

