

CHEM 465
ANALYTICAL CHEMISTRY

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COURSE DESCRIPTION: Theory and practice of modern analytical techniques in chemical separations and instrumental analysis. 3 hours lecture, 3 hours lab. Offered in spring. Prerequisite: ENGL 110 and Prerequisite or Corequisite: CHEM 342. Four credit hours. General Education W course.
Lecture: MWF 9:00 –

LABORATORY:

3. Instrumentation: Begin with a block diagram of the instrument with all major components labeled. This should be based on the instrument that you actually used. An explanation of the function of each component of the instrument should follow. The name and model of the instrument should also be included (1-2 pages).
4. Methods and Materials

available in person, by

**LABORATORY SCHEDULE SPRING 2023
ANALYTICAL CHEMISTRY**

Group		I	II	III	IV	V
Jan	19	-----CHECK-IN ----Intro to Lab-----				
	26	1	2	3	4	5
Feb	2	2	3	4	5	1
	9	3	4	5	1	2
	16	4	5	1	2	3
	23	5	1	2	3	4
Mrch	2	-----SEM and XRF-----				
	9	-----BREAK-----				
	16	6	7	8	9	10
	23	7	8	9	10	6
	30	-----Lab Tour-----				
Apr	6	8	9	10	6	7
	13	9	10	6	7	8
	20	10	6	7	8	9
	27	-----POSTER PRESENTATIONS & Check out-----				

- 1 = Atomic Absorbance Spectroscopy - Flame
- 2 = Raman Spectroscopy
- 3 = Fluorimetry
- 4 = FTIR Infrared Spectroscopy
- 5 = UV-Visible Spectroscopy
- 6 = High Performance Liquid Chromatography
- 7 = Cyclic Voltammetry
- 8 = Ion Chromatography
- 9 = Gas Chromatography/Mass Spectroscopy
- 10 = Liquid Chromatography/Mass Spectrometry

Request for Excused Absence

Student Name:

Dates of Absence:

Reason for Absence (circle one): Illness, Family Emergency, University Activity

I request this absence be excused and that: (check all that apply)

my final exam grade be substituted for the missed test.

I be allowed to make-up the missed laboratory experiment. The lab must be made-up and the laboratory report submitted for grading within one week of returning to class.

Attach documentation to support the request for an excused absence.